COLLEGE OF ARTS AND SCIENCES

CATALOG 1992-93

QUEENS COLLEGE
CHARLOTTE

Directions to Queens College

From I-85 and the Airport

Take Billy Graham Parkway exit—South. At the intersection of the Parkway and S. Tryon the name of the Parkway changes to Woodlawn Road. Continue on Woodlawn Road to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.

From I-77

Take Woodlawn/Queens College exit—South. Continue on Woodlawn to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.

QUEENS COLLEGE
COLLEGE OF ARTS AND SCIENCES
CATALOG 1992-93

Volume 70 **Number 1** **July 1992**

Queens College adheres to the principle that all persons shall have equal opportunity and access to its educational facilities, activities, and employment. It does not discriminate on the basis of race, sex, creed, age, ethnic or national origin, or handicap in the administration of its educational policies, admissions policies, scholarship or loan programs, and athletic and other college-administered programs.

ACADEMIC CALENDAR 1992-93

Term I

Friday, August 21	New students arrive
August 22-August 24	Orientation for new students
Sunday, August 23	Upperclassmen arrive
Tuesday, August 25	Registration
Wednesday, August 26	Classes begin
Tuesday, September 1	Last day to drop/add
Tuesday, September 8	Fall Convocation
Friday, October 9	Fall break
Wednesday, October 13	Midterm grades due
Wednesday, October 21	Last day to withdraw
October 26-November 6	Academic advisement
November 9-13	Registration program entry
Friday, November 20	Thanksgiving break begins, 5 p.m.
Sunday, November 29	Residence halls open, 9 a.m.
Monday, November 30	Classes resume
Monday, December 7	Classes end
Thursday, December 8	Reading day
December 9-14	Final exams

Term II

Sunday, January 3	Residence halls open, 9 a.m.
Tuesday, January 5	Registration, 9 a.m.-5 p.m.
Wednesday, January 6	Classes begin
Tuesday, January 12	Last day to drop/add
Tuesday, February 2	Spring convocation
Wednesday, February 23	Midterm grades due
Friday, February 26	Spring recess begins, 5 p.m.
Sunday, March 7	Residence halls open, 9 a.m.
Monday, March 8	Classes resume
Wednesday, March 10	Last day to withdraw
March 15-March 26	Academic advisement
March 29-April 1	Registration program entry
Friday, April 9	Easter holiday
Tuesday, April 13	Awards Convocation
Monday, April 19	Classes end
Thursday, April 20	Reading day
April 21-26	Final exams
Friday, April 30	Baccalaureate, 4 p.m.
Saturday, May 1	Commencement, 10 a.m.

Summer Term 1993

May 10-August 7	Courses in progress

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This catalog was correct at the time of going to press. The college reserves the right to make changes in its educational programs as and when necessary.

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INTRODUCTION TO QUEENS COLLEGE

Queens College is a private college with close ties to the Presbyterian Church, located in a pleasant and historic residential area of Charlotte, North Carolina.

Since its founding 135 years ago, Queens has evolved into a diversified institution of higher education serving a variety of learners. Some 1,600 degree-seeking men and women of all ages are enrolled in Queens' three colleges:

- the *College of Arts and Sciences,* a coed undergraduate program that emphasizes the traditional liberal arts;
- the *New College at Queens,* for working men and women who want to earn undergraduate degrees in evening or Saturday classes;
- *The Graduate School,* offering mostly evening and Saturday courses leading to the master's degree in business or education.

In addition, Queens provides life-long learning opportunities through three non-degree programs:

- *Queens Compute,* which offers personal computer training in evening and daylong workshops;
- *Queens Excel,* the center for professional development at Queens;
- *Queens Continuing Education,* offering a wide variety of personal and professional enrichment courses for the Charlotte community.

Queens College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the following degrees:

Bachelor of Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Nursing
Executive Master of Business Administration
Master of Arts in Teaching
Master of Business Administration
Master of Education

The National Association of Schools of Music and the National Association of Music Therapy have accredited the college's programs in music. The North Carolina Department of Public Instruction has fully accredited the education program. The nursing program is accredited by the National League for Nursing and is approved by the

North Carolina State Board of Nursing. Queens is also approved for veterans' education.

Queens College is a member of the Southern Business Administration Association and the American Assembly of Collegiate Schools of Business. Queens also is a member of the Conference of Southern Graduate Schools.

The college operates under the semester system. The academic year includes two 14-week semesters and a summer term. Classes in the College of Arts and Sciences meet Monday through Friday.

This catalog describes the programs of the College of Arts and Sciences. A separate catalog describes New College and Graduate School programs.

Statement of Purpose

Queens College, private and Presbyterian, is a diversified, co-educational, liberal arts college. The college is a community of learners which engages students in the concepts of a liberal education and its methods of inquiry, fosters an appreciation for intellectual discipline, prepares students as responsible and productive citizens, and challenges them to a life of intellectual curiosity and moral vision.

To achieve this purpose in the College of Arts and Sciences, Queens integrates the human experience through an interdisciplinary approach to learning which emphasizes knowledge, creativity, and critical thinking, and seeks, within the context of the Judeo-Christian heritage, a coherence among liberal learning, cultural awareness, international understanding, career preparation, and ethical sensitivity. To achieve this purpose in the New College, Graduate School, and other programs serving the adult population, Queens provides intellectual, cultural, and ethical learning experiences within formats commensurate with the special needs and aspirations of the adult learner.

The College of Arts and Sciences

The College of Arts and Sciences provides a variety of majors and degree programs to students in an environment that is both challenging and supportive. The deliberate small size of the college enables Queens to accentuate concern for the individual and to provide the personal and intellectual interaction, caring, fun, and fellowship that are possible only in such a setting.

Of all the elements that combine to make Queens College distinctive, three in particular deserve special mention:

- Queens' nationally recognized Foundations of Liberal Learning Program introduces students to the important questions in life. It is specifically designed to help students develop the skills of analytical thinking and reasoning. To emphasize the interconnectedness of all knowledge, the Liberal Learning program takes an interdisciplinary approach and utilizes team-teaching techniques.

- The International Experience program guarantees every full-time student an opportunity for travel and study abroad. Most of the expense associated with this program is included in Queens' regular tuition and fees. The study tours are led by Queens faculty members, and they include orientation classes to prepare students for experiencing another culture. Study tours take place immediately after commencement.
- Internships, both professional and exploratory, provide opportunities for Queens students to learn more about the world of work. Experienced in connection with traditional academic work, internships give students a better understanding of the challenges they can expect to encounter after graduation. Through internships, Queens offers students insights and experiences that are difficult to achieve through classroom work alone.

Each of these elements is explained more fully elsewhere in this catalog.

Many other special opportunities exist for Queens students:

CHARLOTTE AREA EDUCATIONAL CONSORTIUM Queens College is one of eleven member institutions of the Charlotte Area Educational Consortium. Other members are Barber-Scotia College, Belmont Abbey College, Central Piedmont Community College, Davidson College, Gaston College, Johnson C. Smith University, the University of North Carolina at Charlotte, Wingate College, Winthrop College, and York Technical College. Regularly enrolled students at CAEC institutions may register for any course at another institution in the group on a space-available basis without additional charge. Consortium-sponsored conferences and programs are offered from time to time for faculty and students at all member institutions.

GOVERNMENT INTERNSHIP PROGRAM Queens students may choose to participate in a government internship program providing an understanding of practical politics as well as an introduction to government employment. The Queens program is based upon cooperation with existing programs with local, state, or federal government institutions. Some of the internship opportunities involve stipends that may be used to defray the costs of the internship to the students.

THE WASHINGTON CENTER Queens students may apply for Washington internships through the Washington Center. These internships give students opportunities to explore a variety of public-oriented careers and professions. Within the framework of liberal arts studies, they enable students to combine a work and learning experience for academic credit.

WASHINGTON SEMESTER AT AMERICAN UNIVERSITY Through a cooperative arrangement with American University, two Queens students annually may spend one term in Washington, D.C., studying American national government. The study is carried out through a seminar of the student's own choosing, an individual research project, and regular courses at American University. Applicants must have completed Political Science 201 and have a grade-point average of 2.600 or higher. An additional tuition supplement may be required. Application should be made through the Department of Political Science.

THE LEARNING SOCIETY AT QUEENS Through the Learning Society at Queens, students have the opportunity to meet and hear some of the world's major thinkers and leaders. Recent speakers have included astronomer Carl Sagan; the Honorable Thomas P. "Tip" O'Neill, former Speaker of the House of Representatives; the 56th Secretary of State, Dr. Henry Kissinger; ABC News veteran David Brinkley; and Dr. C. Everett Koop, former surgeon-general of the United States. Students are involved in arranging Learning Society events.

The Campus

Queens College is located on a wooded campus in the Myers Park area of Charlotte. Its Georgian buildings, many of them constructed in 1914 when the college was moved to this site, have been extensively remodeled. The architectural motif of red brick with white trim has been incorporated in the more modern buildings.

Principal buildings include the following:

BURWELL HALL, 1914, the focal point of the campus, faces Selwyn Avenue. In addition to housing administrative offices, the building has parlors which provide a spacious reception area for guests and social events. Robert Burwell served as president of the Charlotte Female Institute from 1857 to 1872, and his wife, Margaret Anna Burwell, was teacher and principal.

BELK CHAPEL, 1950, was a gift to Queens by the families and associates of William Henry Belk and Dr. John M. Belk, in their honor. Greek revival in architecture, it is equipped with a 39-rank organ, seats 750, and is used for chapel and for other religious services and meetings. The Belk families have been loyal and generous supporters of the college.

E.H. LITTLE FINE ARTS CENTER, 1966, contains the Charles A. Dana Auditorium, which seats 1,000 for concerts, recitals, plays and lectures. The center also contains the Suzanne Trezevant Little Recital Hall, an exhibition gallery, studios, practice rooms, classrooms for music and drama, and music offices that include a library of music, miniature scores, and recordings. Major donors of this facility were prominent philanthropists E.H. Little and Charles A. Dana.

JERNIGAN BUILDING, 1914, houses the Office of Student Development, a snack bar, Queens Compute, the business office, and the student bank. Dr. Charlton Coney Jernigan was president of

Queens from 1951 to 1953.

MORRISON HALL, 1927, includes a large dining hall that was redecorated in 1988, a kitchen, the college bookstore, ceramics and sculpture studios, and auxiliary rooms. The building is named for its donor, Mrs. Cameron Morrison, wife of a distinguished governor of North Carolina.

IRWIN-MCKAY STUDENT HEALTH CENTER, 1958, provides seven hospital beds and rooms for consultations and treatment. It was a gift of Thomas M. Belk and his wife, Katherine McKay Belk, honoring Dr. John R. Irwin, Dr. Henderson Irwin, and Dr. Hamilton W. McKay.

ALBRIGHT RESIDENCE HALL, 1964, is named in honor of Miss Thelma Albright, former dean of students and a long-time faculty member at Queens.

THE WILLIAM H. BARNHARDT CENTER, a dormitory facility completed in 1965, honors Mr. and Mrs. William H. Barnhardt. A prominent and devoted supporter of the college, Mr. Barnhardt was a member of the board of trustees.

BELK RESIDENCE HALL, 1954, honors the late Mrs. William Henry Belk, alumna, trustee, and benefactor. The hall was a gift to Queens from Mrs. Belk's sons and daughter.

HARRIS RESIDENCE HALL, 1954, honors the late James J. Harris, chairman of the Board of Trustees, and his late wife, Angelia Morrison Harris, both loyal and devoted supporters of the college.

LONG RESIDENCE HALL, 1914, is named for Miss Lily W. Long, who served the college for half a century and was president from 1891 to 1899.

WALLACE RESIDENCE HALL, 1962, honors Mr. and Mrs. J.M. Wallace and family. Mrs. Wallace was an alumna, and J. Mason Wallace, Jr., was a college trustee.

DANA CLASSROOM BUILDING, 1961, honors Charles A. Dana, a generous benefactor of Queens College, and contains classrooms, seminar rooms for smaller classes, a language laboratory, a large lecture hall, and faculty offices. Dana Building also houses the offices of New College, the Graduate School, and Executive Programs.

MCEWEN HALL, 1914, was renovated in 1989 to provide a classroom complex for the Foundations of Liberal Learning Program. The building, named for the late Dr. Mildred Morse McEwen, alumna and professor emeritus of chemistry, also includes other classrooms and a number of faculty offices.

OVENS ATHLETIC CENTER, 1954, includes a large gymnasium, classrooms, a dance studio, a weight room, and a swimming pool. Extensive renovation and remodeling took place in 1989 with the expansion of Queens' athletic programs. David Ovens, business executive and merchant, was a Queens trustee and benefactor.

WALKER SCIENCE BUILDING, 1966, contains laboratories, classrooms, faculty offices, and research facilities for biology, chemistry, physics and mathematics. It also houses Queens' Computing Services Center. The building was named for Dr. Edwin R. Walker, a former president of the college.

WATKINS HALL, 1914, houses the art department and exhibition galleries. It is named for Miss Mildred C. Watkins, member of the faculty from 1895 to 1909.

Other buildings on the campus are named for Dr. Elizabeth H. Blair, former dean of instruction; Mr. and Mrs. W.Z. Stultz, donors; and Miss Laura A. Tillett, professor emeritus of English. These buildings are used for administrative and instructional purposes.

The buildings on the Queens campus are of traditional architectural design, having been constructed before the adoption of contemporary standards for facilities for the handicapped. As the buildings are substantially remodeled, facilities for the handicapped are added.

All or parts of Albright Residence Hall, Dana Classroom Building, Everett Library, Irwin-McKay Student Health Center, McEwen Building, Morrison Dining Hall, Tillett Building, Wallace Residence Hall, and Watkins Hall are accessible to the handicapped.

Further information regarding facilities for the handicapped on the Queens College campus may be obtained from the Dean of Student Development.

THE COLLEGE LIBRARY Everett Library is located at the center of the campus and was built through the generosity of Herschel Hill Everett, chairman of the board of trustees from 1952 to 1967, and his wife, Cornelia Nisbett Everett.

The library collection is the core of the academic community and is designed to support all programs of the college. More than 118,000 books and bound periodicals and 25,000 U.S. government documents are available in open stacks for student use.

In addition, the library currently subscribes to over 600 periodicals and retains the New York Times on microfilm from 1910 to the present and the Wall Street Journal from 1987 to the present.

The collection, which grows at a rate of 2,000 volumes a year, receives additional support from endowments established by the Friends of the Library.

The Margaret Louise Chapman Instructional Media Center is located on the lower level of the library. Donated by the Friends of the Library in 1982, it is a full-service media center with equipment and facilities for the production and use of audio, video, film, and photographic software. Production, listening, and viewing rooms are available, as well as personal computers and computer terminals linked to the VAX in the Computing Services Center.

Also on the lower level is the Curriculum Laboratory, which houses the education department's collection of state-adopted textbooks and other materials for classroom use.

During the two main academic sessions the library is open from

8 a.m. to 1 a.m. Monday through Thursday, from 8 a.m. to 6 p.m. on Friday, from 10 a.m. to 6 p.m. on Saturday, and from 2 p.m. to 1 a.m. on Sunday. The schedule for examination weeks is extended, and the schedules for semester breaks and summer sessions are reduced.

Students have free access to the stacks and may receive instruction in the use of the library at any time. The library encourages use by Queens students, faculty and staff, alumni, Friends of the Library, ministers of the supporting presbyteries, and other individuals with special permission.

Everett Library has been enriched by its Friends of the Library organization. Founded in 1971, this community group hosts very popular annual "book-and-author" events, contributes significantly to the interior decor of the building, funds the Browsing Collection, and has established a Special Collections Room in memory of Rena C. Harrell, Queens' first librarian. This special room houses a collection of Charlotte imprints, books on the history of Mecklenburg County, and materials relating to the history of Queens College. In 1992, to commemorate their 20th anniversary, the Friends of the Library raised over $140,000 to support library book purchases.

COMPUTING SERVICES CENTER

The Computing Services Center, located in the basement of Walker Science Building, is available for use by all students, faculty, and staff. The center has two Digital VAX systems, one for administrative services and another for academic services. The academic system offers access to *NSFNet* for the exchange of electronic mail.

The Dickson Microcomputer Center, created in 1988 by the Dickson Foundation, is located adjacent to the Computing Services Center. The Dickson center has 20 IBM-compatible personal computers with hard-disk drives and graphics capability, ten dot-matrix printers, and one letter-quality printer. Software available includes complete commercial versions of word processing, spreadsheet, database, project management, accounting, linear programming, and other applications packages. The center is used to support academic courses and to serve as a resource for faculty and students enrolled in courses for credit.

Additional microcomputers are available for student use in residence halls and in the Media Center in Everett Library.

History

Queens was founded in 1857 as the Charlotte Female Institute, then located on College Street near the center of the city. For five years after 1891 it was called the Seminary for Girls, and, after affiliating with the Presbyterian Synod of North Carolina in 1896, it became known as the Presbyterian College for Women. In 1912, anticipating the move to its present campus in the Myers Park residential area in 1914, it became Queens College.

That name revived pre-Revolutionary traditions, for in 1771 a group of North Carolina colonists sought a royal charter for a Queens College, to be located in the town of Charlotte, which was named for the British queen, Charlotte of Mecklenburg. George III refused the petition, doubting the wisdom of creating an institution to perpetuate nonconformist views favored by the Scotch-Irish Presbyterians who had settled in Piedmont Carolina. A school was chartered in 1773, however, under the unusual name of Queens Museum. During the Revolution it sympathized with the colonial cause and became known as the Liberty Hall Academy.

The academy's post-Revolutionary history is sketchy, but in 1821 the Male and Female Academy Corporation was chartered to operate the Liberty Male Academy, the precursor of Davidson College, and the Charlotte Female Academy, the precursor of the Charlotte Female Institute.

In 1930 Queens became related to the Presbyterian Synod of South Carolina through a merger with Chicora College in Columbia, S.C. (formerly in Greenville). With the creation of the Synod of the Southeast in 1973, Queens' official church relationship was extended to include Presbyterians in Georgia as well as those in the Carolinas.

Subsequent restructuring of the Presbyterian Church has given Queens ties to both the South Atlantic and the Mid-Atlantic synods.

In the aftermath of World War II, Queens admitted its first male students in a non-residential status.

A coeducational Evening College, the forerunner of both the present New College and Continuing Education program, was created in 1948. Queens' first post-baccalaureate degree program, the master of business administration, was begun in the spring of 1980. It, too, admitted both women and men.

In 1987 Queens College became fully coeducational and adopted an ambitious and innovative plan for expanding and enhancing the curriculum. That plan produced the Foundations of Liberal Learning and the International Experience programs, which were put into place in 1989.

STUDENT LIFE AND STUDENT SERVICES

Student Life

Queens College realizes that, as important as academic activities are, much of a student's education occurs outside the classroom. Day-to-day living experiences and campus activities are valuable components of a well-rounded education. Through group participation and interaction, students come to know themselves as individuals, to realize their opportunities, and to be creative members of the college community. To stimulate this process, the college encourages student initiative and responsibility through student government, the honor system, and a variety of student organizations and activities.

THE HONOR CODE Queens College is firmly committed to principles of honor and prides itself on the spirit of trust that exists among all of its members. At the very heart of Queens College is the Honor Code. The Honor Code is based on the principle that a spirit of trust should pervade all aspects of student life. Its essence is that any violation of the Honor Code is an offense against the community.

The Honor Code at Queens College is the keystone of the college's belief that its students should act honorably and responsibly in all aspects of life, both on- and off-campus. The Honor Code incorporates the high principles of honor and integrity in both personal conduct and academic work. The purpose of the Honor Code is to assist in the development of mature women and men who act responsibly at all times and to promote a community based on the principles of responsible citizenship, mutual trust, and respect. The Honor Code is binding on all members of the college community and applies to all phases of life at the college.

An effective Honor Code depends upon each student's adhering to the spirit and the letter of its principles. It demands accountability on the part of each student for his or her actions and for those of his or her peers. Queens students are responsible for their personal conduct at all times and shall be subject to discipline, including possible suspension, for behavior that discredits themselves or the college.

As a commitment to this system of honor, students are asked to sign the Honor Code as part of their application for admission. The Honor Code incorporates two different pledges of student conduct: the academic pledge and the community pledge. In addition, it embodies the individual's commitment to developing a community of honor, including taking action against those who violate the Code.

> *As a member of the Queens College community, I will endeavor to create a spirit of integrity and honor for its own sake at Queens College.*
>
> *Academic Pledge: I pledge truthfulness and absolute honesty in the performance of all academic work.*
>
> *Community Pledge: I pledge to be truthful at all times, to treat others*

> *with respect, to respect the property of others, and to adhere to college policies.*
>
> *Accepting both the privileges and responsibilities of living by this code of honor, I resolve to uphold this code and not to tolerate any violations of its spirit or principles.*

CONVOCATIONS Queens College holds three major convocations during each academic year. These are important events that help develop a spirit of unity, fellowship, and common purpose in the Queens community. Attendance at convocations is required of all full-time students in the College of Arts and Sciences.

STUDENT GOVERNMENT ASSOCIATION Queens students govern themselves through the Student Government Association (SGA), which is divided into four branches: the Senate, the College Union, the Judicial Branch, and the Publications Board.

1. The Senate is the legislative branch of the SGA. Through legislation, it handles student concerns regarding campus matters and policies.

2. The College Union works with the director of student activities to plan and coordinate a balanced program of activities on campus. Five committees carry out the work of the College Union:

- The Cultural Events Committee sponsors activities designed to enrich cultural awareness, including poetry readings, chamber music, literary speakers and political and issue-oriented programs.

- The Film Committee oversees the selection, purchase and loan of videos and the use of the video projector by students. The committee's goal is to educate and inform as well as entertain.

- The Religious Life Committee coordinates religious activities on campus, organizing chapel services, speakers and the annual Moravian Love Feast.

- The Social Activities Committee organizes student social events, including dance weekends, mixers and lawn concerts.

- The Holiday Committee is involved in coordinating the various holiday celebrations at Queens College, including the Tree Trim, the Yule Log Ceremony, and the Boar's Head Celebration.

3. The work of the Judicial Branch is carried out by four separate bodies. Alleged violations of the Academic Pledge of the Honor Code are heard by an Honor Council consisting of eight students and two faculty advisors. The Campus Judicial Board, composed of residence hall representatives, elected student officers, and two advisors, hears cases of alleged violations of the Community Pledge of the Honor Code. These two judicial boards conduct investigations and hearings, determine the verdict, and impose sanctions when warranted. The Residence Life Board, consisting of the Resident Coordinators, determines sanctions for infractions of residence hall policies. An Appeals Board automatically reviews all cases involving suspension or expulsion. Other cases may be appealed on one or more of the

following conditions:

- The original hearing was not conducted according to established procedure.
- New evidence or facts exist which were not brought out in the original hearing.
- Sanction(s) imposed were excessive or inappropriate for the offense committed.
- There was evidence of discrimination based on age, race, sex, national origin, religion, sexual preference, or the exercise of First Amendment rights.

4. The Publications Board is made up of the editors and faculty advisors of campus publications. It oversees the selection of editors, assists in the preparation of budgets and develops publication policy.

PUBLICATIONS *Areté,* the Queens College yearbook, is published annually and provides a pictorial and literary record of the year's events and activities. *Queens Current,* the student newspaper, is published regularly to keep the college informed of campus events and news and to serve as a forum for an exchange of ideas among students, faculty and administrators. *The Signet,* the college literary magazine, is published once a year, showcasing the creative writing and artistic talents of the Queens community. *Calliope,* the college's journal of scholarly writing, offers Queens students the opportunity to publish their best research papers and essays. It appears once a year, in the spring.

CAMPUS RELIGIOUS LIFE Queens College provides a climate conducive to the growth and nourishment of lasting religious values. Students are given the opportunity to develop their own religious beliefs by voluntarily taking part in regular campus chapel services, fellowship groups and retreats. The college chaplain is available to all members of the Queens community as they seek spiritual understanding and growth.

ATHLETICS Queens College has been expanding its athletic opportunities and is now a member of NCAA Division II. The college offers intercollegiate competition in eight sports. Women's teams compete in basketball, soccer, tennis and volleyball, while the men field teams in basketball, soccer, tennis, and golf.

RECREATION AND INTRAMURALS Queens offers a varied recreation program that permits students to take part in a wide range of sports.

Ovens Gymnasium houses a large gym, a dance studio and a swimming pool. In addition, there are six tennis courts, three of which are lighted. The physical education department makes these facilities available to students on a regular basis through recreation nights and free-swim periods. Intramural teams often compete against each other in basketball, softball, table tennis, tennis and volleyball, with an occasional challenge from a faculty team.

HONORARIES, HONORS AND AWARDS Several organizations have been established at Queens to recognize high achievement, both in scholarship and in campus leadership.

Beta, Beta, Beta is a national honorary organization for students in the biological sciences. Members are selected on the basis of their overall scholarship as well as their interest and achievement in biology.

Delta Omicron is an international music fraternity for women who attain high scholarship in music and possess the potential for superior musicianship.

Mortar Board is a national senior honor society whose members are selected for distinguished ability and achievement in scholarship, leadership, and contributions to humanity in college or community life.

Phi Alpha Theta is an international honor society in history and a member of the College Association of Honor Societies. Members are selected from the junior and senior classes on the basis of their overall scholarship and achievement in at least 12 credit hours of history.

Sigma Upsilon is a fraternity for writers. Members are selected from the junior and senior classes; criteria for selection are literary ability and interest and active participation in writing.

Student Marshals are students who have achieved academic excellence; they are selected each year following Term I on the basis of class rank from a list of eligible degree candidates who are taking a full-time course load. They serve as ushers in academic processions at official college events.

The Sophomore Honorary Society is an organization of second-year students who are selected because of outstanding leadership, citizenship, and scholarship exhibited during the freshman year.

Who's Who Among Students in American Universities and Colleges recognizes noteworthy student leaders on campuses throughout the country and registers them in a national collegiate publication. The students are selected on the basis of scholarship, leadership, citizenship, participation in co-curricular activities, and the promise of future contributions to those areas.

In addition to membership in campus honoraries, Queens College recognizes a number of other honors and awards. These include scholastic honors such as the Dean's List and graduation with honors, creative writing awards, awards in a number of other academic areas, several athletic citations, and the Diana Award.

Since 1948 the New York Southern Society has granted to Queens College the privilege of bestowing two Algernon Sydney Sullivan awards each year, one to an outstanding graduate and another to a person who has some other association with the college.

Mr. Sullivan, a distinguished lawyer and the first president of the Society, had such outstanding qualities of moral courage and personal inspiration that the Society created these awards to honor him and to commend others who might exemplify similar moral qualities.

Student Services

HOUSING Queens views on-campus living as an integral part of the educational experience. Traditional-age students who are candidates for an undergraduate degree will live in residence halls unless they are married, they are residing with their parents or guardians, or they have been granted special permission for other residence by the Director of Residence Life.

There are five residence halls on campus, each with its own distinctive style. They range in size from 70 to 140 students and in type of accommodations from traditional double rooms to suites.

All first-year students are assigned to rooms and roommates by the Office of Student Development. Other students choose their rooms in an order determined by their non-refundable reservation fee and by lottery.

The college insurance program is designed to provide protection for college property and does not include the property of students or others.

Students and their parents should review their insurance to be sure that coverage is extended to include personal effects while at college.

INTERNATIONAL STUDENTS Queens College welcomes students from a variety of foreign countries and makes special efforts to make their stay rewarding and productive. The Office of Admissions can provide special information about language proficiency requirements, financial aid, and housing. The International Experience Program office aids international students with immigration forms, academic advising, and special opportunities in the Charlotte community.

Other supportive programs are coordinated through the Office of Student Development.

COUNSELING SERVICES Queens has professional counseling services available to students on a personal basis. The office is located in the Health Center, and appointments may be made by calling there.

Other trained counselors are available at the college. Students should contact the Office of Student Development for information on campus and city counseling services.

Queens also has residence coordinators who are in charge of the underclass residence halls and who make referrals when appropriate. Student residence assistants in the residence halls are trained for peer counseling and help with referrals. Students are encouraged to seek out any of these persons when they wish to do so.

Referrals to off-campus psychologists and psychiatrists may be made when necessary. The cost of all off-campus services is the responsibility of the individual student.

If a student demonstrates that he or she is potentially harmful to himself/herself or to others, the student will be required to undergo a psychiatric or psychological evaluation. Personnel in the college counseling center will help the student and his/her family work out a suitable plan for assessment and treatment. The student may not return to college housing until a treatment plan is in place. If necessary, the student may be asked to withdraw from the college.

HEALTH SERVICES All degree candidates enrolled in the College of Arts and Sciences are entitled to the services of the Irwin-McKay Student Health Center during the terms in which they are enrolled.

There is a specific procedure for medical coverage when the Health Center is closed. Following these guidelines helps maintain continuity of care and increases cost effectiveness of medical care for students.

In case of an emergency during normal hours of operation, students should go to the Health Center. If an emergency occurs outside of these hours, students should contact a member of the Queens residence staff to ensure speedy notification of a physician.

Medical care obtained off campus, including emergency room visits, lab charges, and some medicine charges, is the responsibility of the individual student. A health insurance plan is available through the college. Information regarding this plan is sent to each student.

Students must submit a completed medical history and physical examination form to the Health Center before enrolling at Queens. This form initiates the student's medical file and facilitates preventive medicine.

North Carolina law mandates that all students present proof of having received certain immunizations. Students who have not received the specified immunizations will not be permitted to attend classes, nor will they be permitted to remain on campus. Immunizations are available at the Health Center, which retains immunization records for 10 years.

CAREER DEVELOPMENT Many students enter college unsure of their career talents and interests and of the availability of jobs in particular fields. The Queens Center for Career Development offers a range of services for students throughout their four years on campus. The office helps students assess their values, abilities, and interests through individual and group counseling, occupational testing, internships, and topical seminars. The office staff encourages students to participate in service- and career-related internships so they can begin to learn more about themselves and the world in which they live and work. The office also helps students learn decision-making and goal-setting skills.

A vital part of the Center for Career Development is the Career Resource Center, containing career information as well as information on graduate schools, pre-professional programs, and employment opportunities in business, government, and education. Information also is available on summer and part-time employment opportunities.

The Center for Career Development is particularly interested in helping graduating students plan an effective job search and in identifying rewarding job opportunities. Each graduating student is encouraged to complete a permanent file containing resumes. A placement file with letters of recommendation is available especially for teacher applicants. This file will remain active for five years after the student graduates.

Throughout the academic year, seminars are held on resume preparation, interviewing, and planning the job and graduate school search.

Office staff members visit prospective employers for information on possible job openings and encourage representatives from schools and businesses to interview on campus. Queens also is a member of the Metrolina Career Consortium, which hosts an annual job fair at which students can learn about employment opportunities with about 50 companies.

ADMISSIONS, COSTS, AND FINANCIAL AID

Admissions

Queens College admits students regardless of race, creed, age, sex, national and ethnic origin, or handicap to all rights, privileges, programs, and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, creed, age, sex, national or ethnic origin, or handicap in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other college-administered programs.

FOR FRESHMEN Students applying to Queens should follow a college-preparatory program in an accredited high school. Four years of English, three years of mathematics, two years of a foreign language, two years of social science, and one year of a laboratory science are recommended basic preparation.

In evaluating an application, the Office of Admissions considers the applicant's high-school record, especially the quality and amount of college-preparatory work; recommendations from the secondary school; test scores from the College Entrance Examination Board (SAT) or The American College Testing Program (ACT); and the student's own stated objectives. Candidates for admission are encouraged to take achievement tests.

SAT and achievement test applications and information about testing dates may be obtained from secondary school counselors or from The College Board, Suite 250, 2970 Clairmont Road, Atlanta, Georgia 30329-1639. The CEEB code number for Queens College is 5560.

ACT applications and information about testing dates may also be obtained from secondary school counselors or from ACT Records, P.O. Box 451, Iowa City, Iowa 52240. The ACT code number for Queens College is 3148.

The college operates on a modified rolling admissions basis. As indicated in the following chart, the earlier the completed application is received by the Admissions Office, the earlier the applicant is notified of his or her admission status.

Notification Priority	*If Completed Application is Received By*	*Applicants Will Be Notified of Status By*
First	December 1	December 15
Second	January 15	February 1
Third	March 1	March 15

Students whose completed applications are received after March 1 will be notified of their status on a rolling basis.

Accepted applicants are requested to notify the college of their decision as soon as their college plans are firm or by May 1, the candidate reply date of the College Board. Students must reserve their place in the incoming class by sending a reservation fee of $200 for resident students or $100 for commuting students. This deposit is applied toward tuition and room for the applicable term. The fee is non-refundable after May 1 for Term I and January 1 for Term II.

FOR TRANSFERS Queens welcomes transfer students from other accredited colleges and universities. They may apply for admission for Term I, Term II, or summer term. Applicants must ask each institution they have attended to forward transcripts and statements of good standing to the Queens College Office of Admissions.

Transfer students are expected to have followed the recommended high-school curriculum and to have maintained a minimum 2.000 average on a 4.000 scale in previous college work. For liberal arts and sciences courses completed at other accredited institutions, credit usually will be transferred if the grade earned is C or better. Courses transferred from two-year institutions are classified as either 100- or 200-level courses.

FOR ADULT STUDENTS Queens welcomes adult students to the College of Arts and Sciences. Adult students are students who are 25 years of age or older at the time of their first entrance to the college. The adult program follows the same requirements as the traditional age student, except SAT or ACT test scores are not required, but recommended. The Office of Admissions and the Office of Student Development can provide additional information concerning the resources available to the adult student.

FOR READMISSION A degree candidate who has withdrawn in good academic and financial standing and who wishes to return to Queens may apply for readmission by submitting an application to the Office of Admissions. Transcripts of all work attempted at other institutions must be sent to the Office of Admissions.

FOR SPECIAL STUDENTS Students who are not candidates for a degree but who wish to enroll for credit may apply as special students.

Special students who do not hold a bachelor's degree are limited to a cumulative total of 15 credit hours. A student holding a bachelor's degree is allowed the privilege of unlimited credit hours. The availability of space may limit enrollment in some courses. Special students must maintain at least a 2.000 average to continue their enrollment.

A special student who wishes to become a degree candidate must apply through the admissions office.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as special students. They should consult with the Director of Admissions regarding admission and are expected to complete 12 credit hours successfully at Queens before undertaking student teaching.

FOR VISITING STUDENTS Regularly enrolled students in good standing at other colleges may apply as visiting (transient) students at Queens. Generally, a visiting student is admitted for only one term; however, visiting students may reapply for additional terms. Application materials may be obtained from the Office of Admissions. Students must have the appropriate official from the parent college submit a letter stating that the student is enrolled in the college, is in good standing, and has permission to enroll in courses at Queens to be transferred back to the parent institution.

FOR ADVANCED PLACEMENT Students who have completed college-level work in their secondary schools should take the appropriate Advanced Placement (AP) test administered by the CEEB. In most areas, Queens grants advanced placement and course credit automatically if the student scores either four or five on such tests. Advanced placement may be granted for a score of three, but decisions on the amount of credit to be awarded are made by the Vice President for Academic Affairs in consultation with the department in which credit is granted. Advanced placement in English is given for literature courses only.

All applicants who have taken Spanish, French, Italian, or German in secondary school and who wish to continue study in that language at Queens should take a language achievement test for purposes of placement. Students who do not take the CEEB language achievement tests may take a language placement test after enrollment at the college.

Queens also awards credit and advanced placement to students who score satisfactorily on approved subject level tests of the College Level Examination Program (CLEP). Credit will not be granted if it duplicates credit already earned. Neither grades nor quality points will be awarded, nor may CLEP credits satisfy the final 30 hours required for graduation from Queens. Students who wish further information about CLEP should write to the Vice President for Academic Affairs.

FOR ACCELERATED ADMISSIONS Students with superior academic records may apply for admission during their junior year in high school. They must submit transcripts, recommendations, and

SAT scores or ACT scores and schedule a conference with an admissions counselor. In some states local school authorities will grant a high-school diploma after a year of college work; any such agreement is the responsibility of the student and the local authorities. A student may also obtain a high-school equivalency certificate by examination.

For students who have made plans for graduate school or professional study, accelerated admissions is one way of shortening the time before they can begin their careers.

FOR INTERNATIONAL STUDENTS Queens College welcomes international students. Candidates must provide the Office of Admissions with a completed college application for admission accompanied by the payment of a $25 filing fee. Applicants must ask each institution that they attended to forward their transcripts to the Office of Admissions. Transcripts must be translated into English by an official at the high school or college issuing the transcript.

It is recommended that international students take the Scholastic Aptitude Test (SAT). Any student for whom English is not the first language must satisfactorily complete the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 and have the score sent to the Office of Admissions. Information may be obtained by writing to the TOEFL Program, Educational Testing Service, Box 899, Princeton, N.J. 08541. Registration arrangements should be made at least two months before the testing date.

International students also are required by the Immigration and Naturalization Services to submit a confidential certified financial statement indicating the amount of funds available for their education in the United States.

FOR HIGH-SCHOOL DUAL ENROLLMENT Any student who is a junior or a senior in a Charlotte-Mecklenburg area secondary school may enroll for courses at Queens during any term when recommended by the secondary school. Credit earned under the dual-enrollment program may be used at Queens or another institution as college credit when the student enrolls as a degree candidate. A high school student who wishes to become a dual enrollee must apply through the admissions office.

MEDICAL REPORT All applicants who accept the college's offer of admission must submit a complete medical history, including a physician's certified record of immunizations. Medical forms are mailed to enrolling students and must be filed with the college prior to registration.

ALUMNI ADMISSIONS REPRESENTATIVES Local alumni representatives are available to talk with prospective students in a number of cities throughout the country. Their names and addresses may be obtained from the Office of Admissions.

CAMPUS VISITS Prospective students and their families are encouraged to visit Queens. They are welcome at any time, but will find visits more beneficial if they are scheduled when the college is in session. The Office of Admissions is open from 8:30 a.m. to 5 p.m. on weekdays throughout the year and until noon on Saturdays by appointment.

Each year a series of special open houses is scheduled for prospective students and parents. Interested students should write to the Office of Admissions for further details.

IN SUMMARY Because the number of places in the Queens student body is limited, prospective freshmen should apply for admission early in the senior year of high school. Application forms should be obtained from the Office of Admissions and should be returned with a non-refundable $25 application fee. Students should request that their transcripts, SAT or ACT scores, and recommendations from the secondary school be sent to the Office of Admissions. Transfer students must request transcripts from high school and each college attended. Accepted resident students are requested to mail a deposit of $200 to accept the Queens offer of admission. Commuting students are requested to mail a deposit of $100. Deposits are refundable until May 1 for fall term and January 1 for spring term.

Costs

While the Board of Trustees reserves the right to adjust the fee schedules at Queens at any time, the following basic fees have been established for 1992-93.

FULL-TIME STUDENTS Full-time students pay the College of Arts and Sciences comprehensive fee, which includes tuition, student activity fee, student accident insurance policy, and other services for regular full-time students registered for 12 or more credit hours in each of Terms I and II. Resident students also receive basic Health Center services at no additional cost. Commuting students requesting Health Center services pay for such services as received.

Resident Student Comprehensive Fee		$12,300
Tuition	$9,850	
Residence Hall	$2,450	
Commuter Student Comprehensive Fee		$9,850

In addition to this comprehensive fee, full-time students pay any lab fees applicable, as specified in the Course Listing section of the *Catalog*. All resident students must purchase a meal plan (described below).

Full-time students registering for only Term I or Term II pay 50 percent of the appropriate comprehensive fee.

PART-TIME STUDENTS Part-time students (11 or fewer credit hours per term) not residing in the residence halls pay tuition of $170 per credit hour during Term I and Term II. Part-time students pay a registration fee of $15 per term. In addition to this tuition and registration fee, part-time students pay any lab fees applicable, as specified in the Course Listing section of the *Catalog*.

Part-time students residing in the residence halls pay the Resident Student Comprehensive Fee described above, regardless of the number of credit hours for which they are registered. Part-time students paying this fee do not pay tuition at the per-credit-hour rate or the $15 registration fee. Any lab fees do apply, however, as specified in the Course Listing section of the *Catalog*. All resident students must purchase a meal plan (described below).

Part-time students requesting Health Center services pay for such services as received.

RESIDENCE HALLS Double-room residence hall accommodations are included in the Resident Student Comprehensive Fee stated above. If space is available, a student may choose to have a private room for an additional $500 per year. Details of the private room policy are available in the Office of Student Development.

Damages to residence halls are billed after the end of each term and are payable when billed.

MEAL PLANS Queens offers two meal plans for the convenience of its students. All resident students, both full-time and part-time, must purchase a meal plan.

	Annual Rate*
Plan 21 (21 meals per week)	$2,100
Plan 15 (15 meals per week)	$2,000

*Annual rate includes Term I and Term II.

Meal plan 15 includes any 15 of the 21 meals offered during the week. Students select the meal plan they prefer during registration each term, after which the choice of meal plan for that term cannot be changed.

Students with special dietary needs should have a physician outline these needs in a letter to the Dean of Student Development so that the Food Service can prepare their meals accordingly.

OTHER ACADEMIC FEES

Reservation Fee A reservation fee is required for new students on acceptance of admission to the college and for returning students by March 15. The reservation fee is nonrefundable and is applied toward tuition for the applicable term. The fee for resident students is $200 and for nonresident students is $100.

Orientation Fee An orientation fee is required for all new full-time students. This fee is $50 and is included in the fall term billing mailed in July, payable by August 5.

Lab Fees Specific lab fees are given in the Course Listing section of the *Catalog*. Approximate fees per course are as follows:

Art course fees	$25
Music (weekly private lessons per half hour):	
Full-time students	$75
Part-time students	$100
Nursing course fees	$25
Physical education course fees:	
Horseback riding	Approx. $165
Other courses	$25
Science lab fees	$25
Student teaching course fee	$50

Audited Courses The tuition status of a student taking an audited course is determined by combining the number of credit hours the audited course carries and the number of credit hours taken by the student in non-audited courses. If this total is 12 or more, the student pays the comprehensive fee, plus any lab fees applicable. If this total is less than 12, the student pays tuition of $170 per hour for all hours in this total, plus the part-time registration fee of $15 per term and any lab fees applicable.

Dual Enrollment (College of Arts and Sciences and New College or Graduate School) Degree candidates in the College of Arts and Sciences taking a total of 12 or more credit hours pay the comprehensive fee regardless of the division of their credit hours between the College of Arts and Sciences and the New College or Graduate School. Degree candidates in the College of Arts and Sciences not paying the comprehensive fee pay tuition of $170 per credit hour for all courses.

Teacher Certification Students Persons interested in teacher certification who have already earned a bachelor's degree are not required to pay the College of Arts and Sciences comprehensive fee. Instead, these students pay tuition of $170 per credit hour, plus appropriate lab fees and the $15 registration fee.

Center for Career Development Fees Services of the Center for Career Development are available to College of Arts and Sciences students at no additional charge. Persons not enrolled in the College of Arts and Sciences may obtain a fee schedule from the Center for Career Development.

Special Fees

Application Fee (non-refundable)	$25
Graduation Fee	$65
Part-time Registration Fee	$15
Late Registration Fee	$10
Private Room Fee per year	$500
Transcript Fee, regular mail	$3
Transcript Fee, FAX or overnight	$15
Parking Permit	$25

OTHER EXPENSES

Insurance All full-time students are eligible for coverage under the Student Sickness Insurance Plan and will be covered unless an exemption request is filed with the Business Office. Brochures outlining the coverage and costs are sent to all full-time students with the fall-term billing in July.

All full-time students are covered automatically by the Student Accident Insurance Plan. Claim forms for these insurance policies are available in the Health Center.

Challenge Examinations and College Level Examination Program (CLEP) The fee for each internally set Queens College challenge examination is $100. The fee for nursing challenge examinations is defined by the National League for Nursing and can be obtained from the Division of Nursing. The fee for each CLEP test is $50.

Miscellaneous Expenses The cost of books and supplies varies with courses taken, but the average expense is $600 per year. Non-college expenses such as travel, clothing, entertainment, and incidentals vary according to individual student needs. Students joining sororities or fraternities will have additional costs for initiation, dues, and special assessments. Laundry is not included in the comprehensive fee. (Coin-operated machines are available in each residence hall.)

While the comprehensive fee provides for basic Health Center services for resident students, all students are responsible for paying any charges for special visits, consultations, medicines, laboratory work, and hospitalization.

PAYMENT REGULATIONS Upon signing the application for admission, the parent or guardian (or the applicant, if not a minor) accepts as binding all fees and regulations set forth in the *Catalog*.

1. Full-time students receive a fall term billing package in July and a spring term billing package in December. Fall term tuition, room, and board fees, less reservation fee paid, are payable by August 5th, and spring term tuition, room, and board fees are payable by January 5th.

2. Part-time students pay upon registration for each term.

3. Payments are accepted via check, cash, MasterCard, or VISA.

4. Students who do not wish to pay in full at the beginning of each term may be interested in the following programs offered by Academic Management Services (AMS). See also "Employer Assistance Deferment Plan" below.

   a. **Installment Plan—Full-time Students** The annual tuition, room, and board fees may be paid in ten monthly installments (June through March) each year. Payments may begin after June by remitting two installments if beginning in July or three installments if beginning in August. The annual enrollment fee is $45. Information on this program all full-time students during the summer and is available in the Business Office and the Office of Financial Aid.

b. **Installment Plan—Part-time Students** Payment for fall term may be made in four equal installments, payable at registration and by the 25th day of September, October, and November. Payment for spring term may be made in four equal installments, payable at registration and by the 15th of February, March, and April. Summer payment dates are published in the spring prior to registration for the summer term. A deferment fee of $50, payable upon registration, is incurred each term tuition is deferred under this plan. A late payment penalty is incurred if an installment is not paid by the due date. The college reserves the right to deny participation in this plan to students on the basis of their payment history with the college.

c. **Variable-rate line of credit** Checks are issued which can be used to pay the college upon registration each term. Interest accrues only as amounts are used. Information on this payment option is available in the Queens College Business Office.

d. **Unsecured educational loans** There are a variety of student and parent loans available. Information on these loans is available in the Queens College Office of Financial Aid.

5. A student is not permitted to attend classes until satisfactory arrangements have been made to meet all financial obligations. Continued class attendance is contingent upon maintaining good financial standing throughout the term.

6. Diplomas, certificates, and transcripts are issued only when the student's accounts have been paid in full.

EMPLOYER ASSISTANCE DEFERMENT PLAN The Employer Assistance Plan (EAP) is a deferment plan available to students who qualify based on financial need and the willingness of their employer to reimburse them for tuition at the end of the term. Under this plan, tuition for fall term is due by February 15th, spring term by June 25th, and summer term by September 10th. Students wishing to apply for this plan must submit to the Business Office the EAP application form and the Deferment Request Form. These forms are available in the Office of Financial Aid, the Business Office, and the Office of Adult Admissions. A deferment fee, payable upon registration, is incurred each term tuition is deferred under this plan—$50 for the first course and $25 for each additional course. A late payment penalty is incurred if a payment is not made by the due date. The college reserves the right to deny participation in this plan to students on the basis on their payment history with the college.

TYPICAL FULL-TIME STUDENT PAYMENT SCHEDULE

	Resident	Commuter
Due upon acceptance:		
Reservation fee	$200	$100
Due by August 5 or in installments:		
Fall comprehensive fee, less deposit	$5,950	$4,825
Fall meal plan (Plan 15, e.g.)	$1,000	
Sickness insurance annual premium (optional)	$114	$114
Orientation fee (new students only)	$50	
Due by September 25:		
Fall lab fees (determined at registration when specific courses are finalized)	xx	xx
Due by January 5:		
Spring comprhensive fee	$ 6,150	$ 4,925
Spring meal plan (Plan 15, e.g.)	$1,000	
Due by February 15:		
Spring lab fees	xx	xx

WITHDRAWAL FROM THE COLLEGE

Withdrawal—Illness Students who withdraw from the college during the academic year as a result of illness will have tuition, room, board, and lab fees prorated as of the date of withdrawal, provided the physician recommends withdrawal in a letter to the Vice President for Academic Affairs.

Withdrawal—Academic Ineligibility A student determined by the Student Qualifications Committee to be academically ineligible to return will receive a refund if the student has made payments or has a credit balance toward the next term's tuition and fees. Such decisions are made at the end of each term.

Withdrawal—Other Reasons Students who withdraw from the college or from one or more courses on their own initiative and students who are suspended by the college will have tuition, room, board, and lab fees for the current term prorated according to the following schedule:

	Term I	Term II
0% charged if withdrawal by	9/1/92	1/12/93
25% charged if withdrawal by	9/7/92	1/18/93
50% charged if withdrawal by	9/14/92	1/25/93
75% charged if withdrawal by	9/21/92	2/1/93
100% charged if withdrawal after	9/21/92	2/1/93

Students who feel that individual circumstances warrant exception to this policy may appeal to the Financial Policies Committee, provided such appeal is made in writing to the Treasurer and Business Manager before the end of the term for which proration is requested.

Withdrawal Involving Financial Aid If the Business Office determines that the student is due a refund and all or part of the student's institutional charges were paid with financial aid funds, all or a proportional part of the total refund must be returned to the Title IV financial aid accounts and may be returned to other financial aid accounts if necessary.

The amount to be returned will be determined as follows:

1. Title IV Aid (minus CWS Earnings)/Total Aid Package (minus CWS Earnings) = x/y.
2. This fraction, x/y, will be applied to the total refund due.
3. The resulting amount is the amount of the Title IV funds to be returned to Title IV programs.

Queens' policy is to distribute this total amount of funds to Title IV programs in the following order, in no case exceeding the total amount originally awarded from that fund:

1. Supplemental Educational Opportunity Grants
2. Perkins Loans
3. Pell Grants
4. Stafford (GSL) Student Loans
5. Other programs, state and institutional

A detailed worksheet of refund policy is available in the Office of Financial Aid and is provided to students upon request.

Withdrawal—Academic Regulations For further information about the withdrawal procedure, see the section on "Withdrawal from the College" under Academic Regulations.

Financial Aid

As a private institution that places the quality of the educational experience above other considerations, Queens realizes that the cost of attending college is a matter of overriding importance for many families. Applicants should not hesitate to apply for financial assistance. Queens will attempt to meet the demonstrated financial need of applicants and welcomes the opportunity to work with students and their parents. Although most awards are based on financial need, some aid is based on the academic and leadership abilities of applicants, whether or not they have demonstrated need.

To be eligible for and/or receive financial aid, students must be enrolled for at least six credit hours per term.

FEDERAL PROGRAMS *Pell Grants* are available to eligible undergraduate students on the basis of financial need. The grants range from $200 to $2,400 per academic year. A student must submit the Student Aid Report, which is generated by completing the Financial Aid Form (FAF), to the Office of Financial Aid at Queens to determine the amount for which the student is eligible.

Supplemental Educational Opportunity Grants (SEOG) are available on an annual basis to full-time undergraduate students with extreme financial need. These grants range from $100 to $1,000 and may be renewed from year to year.

The College Work Study (CWS) program helps qualified students meet educational expenses through employment on campus during the academic year. Eligibility depends upon financial need.

Perkins Loan Program (The National Direct Student Loan) permits students with established need to borrow up to $4,500 during their freshman and sophomore years and up to a total of $9,000 during their undergraduate programs. These loans bear a five percent annual interest rate during repayment. Repayment begins six months after the borrower ceases to be at least a half-time student and may extend over a period of ten years. If the borrower enters certain public-service occupations, the loan may be canceled.

The Stafford Loan program permits students, upon recommendation of the college, to borrow from a bank or other financial institution as much as $2,625 a year for freshmen and sophomores and as much as $4,000 a year for juniors and seniors with a $17,250 maximum for dependent undergraduate students. Terms for the loans and applications may be obtained from participating banks or agencies or from Queens' Office of Financial Aid. All students must submit a needs analysis (FAF) to determine if they qualify.

PLUS Loan Program (Parent Loans for Undergraduate Students) allows parents to borrow up to $4,000 per year per dependent undergraduate child, not to exceed the cost of attendance minus any financial aid. The cumulative maximum is $20,000 per child. Interest is currently 7.51 percent, but is variable, and repayment is required to begin within 60 days after disbursement, but under certain conditions, principal payments may be deferred until after the student completes school. Terms for the loans and applications may be obtained from participating banks or agencies or from Queens' Office of Financial Aid.

The amount of funds available to Queens students under SEOG, CWS, and Perkins programs is determined by allocations made to the college each year by the U.S. Department of Education. *All federal programs are subject to revision of funding or regulation by congressional action.* Students are encouraged to contact the Office of Financial Aid for the most up-to-date information on these programs.

NORTH CAROLINA PROGRAMS *The State Contractual Scholarship Fund* is provided to Queens College by an act of the North Carolina General Assembly. Scholarships are available to full-time undergraduate students who are legal residents of North Carolina. This fund assists qualified students who demonstrate need.

North Carolina Legislative Tuition Grants (NCLTG) are available to

North Carolina residents pursuing their first bachelor's degree and enrolled for 12 credit hours per term. In 1991-92, the NCLTG was $1,095.

The North Carolina Student Incentive Grant Program (NCSIG) provides grants up to $1,500 per academic year for eligible students who are North Carolina residents. Recipients must demonstrate substantial financial need and apply by completing the appropriate questions on the FAF and mailing it to Princeton, New Jersey, before March 15.

The North Carolina Insured Student Loan Program permits state residents enrolled at least half-time to borrow through the College Foundation, Inc. The same rules apply to this loan program as to the Stafford Loan Program.

The James E. and Mary Z. Bryan Foundation Student Loan Plan permits North Carolinians enrolled in full-time undergraduate programs to borrow, through College Foundation, Inc., a maximum of $2,500 per school year with an aggregate of $12,500 at an interest rate of 9 percent. Application forms may be obtained from College Foundation, Inc.

The North Carolina Prospective Teachers Scholarship Loan Fund is awarding scholarships in the amount of $2,000 for each regular school year. The criteria for awarding scholarships are measures of academic performance, including grade-point average, scores on standardized tests, class rank, and recommendations of guidance counselors. Teaching in North Carolina public schools upon graduation allows cancellation of the loan at a prescribed amount per year of service. Application should be made to the Prospective Teachers Scholarship Loan Fund, State Department of Public Instruction, Raleigh, North Carolina. Further information is available in the Office of Financial Aid.

COLLEGE PROGRAMS *Presidential Scholarships* are offered by Queens College to a select number of new students each year. In the 1991-92 academic year, these scholarships cover Queens' tuition; however, if other scholarships are received, the amount may be reduced so that the cost of education is not exceeded. Presidential Scholarships are based strictly on academic achievement; financial need is not a factor in selection. Scholarships are renewable for three years based on academic performance.

Applicants usually rank in the top 5 percent of their high school class, and have SAT scores of at least 1200.

Consideration may also be given to involvement in church or school activities, leadership and influence with peers, and exceptional talent or interest in a particular field of activity.

Presidential Scholarships at Queens have been named for or established by the following:

James H. and Eleanor H. Barnhardt
Fayette J. and Chaney D. Cloud
Deloitte and Touche
Dowd Foundation
First Union National Bank

- Alice Nichols Gilly
- Judy Cochrane Gilman
- Willie Choate Hampton
- Alex Hemby Foundation
- Belle Johnston
- Annabel Lambeth Jones
- David Gilchrist Jones
- John Wesley Jones
- Lou Finch Jones
- Frances Carroll McColl
- Virgilia Cole Moore
- Jane Ellen Norman Nichols
- Queens College Presidential Scholarship
- Southern Bell
- Springs Industries
- Marguerite T. Trexler
- Virginia Gray Vance

Queens Scholar Awards are available annually to new students who have exhibited outstanding records in scholarship and leadership. The amounts of these awards vary, and they are renewable for three years based on academic performance.

Mecklenburg Scholars, chosen from the 11 public high schools in Mecklenburg County, are selected on the basis of academic achievement and demonstrated leadership. These scholarships cover full tuition, after the state grant is applied. They are renewable for three years based on academic performance.

Minority Scholars. Minority Scholarships are made to minority students with outstanding academic credentials and leadership records. The amounts of the awards vary, but range up to $20,000 over four years. Qualified minority students—Afro-American, Hispanic American, native American, and Asian American—may apply.

Carol G. Belk Scholarship Awards are available annually to outstanding new students. Recipients are chosen on the basis of their leadership records in school and community, academic ability, and potential for continuing leadership at Queens. The amounts of these awards may vary, and each is renewable for three years based on the student's academic performance.

Redd Special Achievement Awards are made annually to students who have demonstrated talent or ability in a special area. Amounts of these awards vary, and they are renewable based on performance.

Dana Scholarships are awarded annually to students in each of the sophomore, junior, and senior classes. The student must maintain outstanding records for scholarship and leadership. Recipients are selected, at the recommendation of the faculty, by the Faculty Honors Committee.

New Dimensions Fellowships may be available to adult students making applications as degree candidates in the College of Arts and Sciences. New Dimensions awards are made on the basis of academic promise and personal achievement. Each fellowship covers tuition up to $2,000 per academic year.

Departmental Scholarships are available to a limited number of students with outstanding achievements in specialized areas. These scholarships are currently available in the departments of biology, chemistry, and music.

Other named scholarships. In addition to merit-based scholarships, Queens awards many other scholarships on the basis of financial need.

These include scholarships named for or established by the following:

Naomi G. Albanese
American Express
Robert C. and Sadie G. Anderson
Katherine Cramer Angell
Mrs. F.T. Appleby
Mr. and Mrs. William H. Barnhardt
The Belk Brothers
Ann Everett Belk
Carol G. Belk
Mary Henry Belk
Dr. Andrew Blair
Elizabeth Blair
Blumenthal Foundation
Sarah Locke Blythe
Dorothy Brown
Sara Doll Burgess
Samuel C. and Wilhelmina C. Byrd
Mr. and Mrs. Martin L. Cannon
Sallie McAlister Carson
Clara H. Carswell
Rosalie Cassels Fund
Charlotte-Mecklenburg Alumnae
Charlotte Music Club
The Charlotte Observer
The Charlotte Panhellenic Congress
Christ Episcopal Church
Pattie Morris Cole
Ophelia Hart Cranford
Mr. and Mrs. J.H. Cutter
Selene Hutchinson Dalton
Dalton-Hutchinson
Charles A. Dana
Rose March Daniel
Dillon Read
Dorsett-Johnson
Eloise Butt Dowd
W. Carey Dowd, Jr.
Dr. and Mrs. R.A. Dunn
Efird Brothers
Helene Ellis
Rose Neel Evans
First Boston
May Morris Fite
A.J. Fletcher Foundation
J. Lee Flowe and Addie Belk Flowe
The Frazer Foundation
Mr. and Mrs. Peter S. Gilchrist, Jr.
Donna Hanson Gillespie
Judith Cochrane Gilman
A.D.P. Gilmour
Ginter Foundation
James Parks Grey
Jane Parks Grey
Jane Rea Grey
Lula Jane Grey
Dorothy and Leon K. Gutmann
Willie Hines Gwaltney
W.M. and Kate Cleveland Hagood
Hope and Pat Hall Scholarship
Harman Fund
James J. and Angelia M. Harris
Minnie Olive Harry
Betty Hutchison
C.E. Hutchinson
Susan Nye Hutchinson
Mr. and Mrs. J.B. Ivey
Jerry Jernigan
Belle Johnston
C.W. Johnson
James M. Johnston Trust
Carolyn M. Jones
Lou Finch Jones
Emma Lillian Keigwin
Herbert F. Kincey
W.S. Lee Foundation
Judy Moore Leonard
The Lethco Memorial Fund
Mary Land Lewis
E.H. Little
Lily Long
Joe and Emily Lowe
W.T. McCoy
Mildred M. McEwen
Foster G. and Mary W. McGaw
Mary W. McGaw
Donald D. McNeill
Emma Gold McPheeters

Emma Gold McPheeters
Merrill Lynch
Oscar Lee and Rose Evans Miller
Ettie Aydlett Minor
Kathleen M. Minor
W.T. Minor, Sr.
Mrs. Ben W. Montgomery
Morgan Stanley
Mary Cunningham Mullis
Charles E. Neisler
James and Betty Nisbet
Gertrude M. Norman
Louise Evans Nye
Nell Evans Nye
Mr. and Mrs. J.M. Oldham
Mr. and Mrs. David Ovens
J. Norman Pease and Ann Pease Gaskell
Alice Barron Pearce
Piedmont Club Foundation
Presser Foundation
William B. and Minnie Stowe Puett
Laura Janette Quattlebaum
Queens College Day Student
Rankin-Cunningham
F.M. Redd and Bessie Flowe Redd
Abbie Tuttle Robinson
Robinson-Humphrey
Mary F. Ross
Salomon Brothers
George A. Shealy
Mr. and Mrs. Frank O. Sherrill
Mr. and Mrs. J. Luther Snyder
Walter Spearman
Loma Squires
George Stegner
Worth Stewart
Charles H. and Clara McKay Stone
Mr. and Mrs. R.L. Stowe
W.Z. Stultz
J.D. Swinson
Kathryn L. Taylor
Isabelle W. Trexler
Uffort-Northrop
Wachtell, Lipton, Rosen and Katz
May Ervin Wall
Lettie Pate Whitehead Foundation
Emma B. Williams
William Wireman
James D. Wolfensohn

NATIONAL PRESBYTERIAN COLLEGE SCHOLARSHIP PROGRAM Queens College is one of 65 Presbyterian-related colleges which participate in the NPCSP. The NPCSP affirms excellence in scholastic ability and leadership and encourages superior students to attend Presbyterian-related colleges. Funds for awards are provided by the colleges and the Presbyterian Church (USA) Vocation Agency. Applications are available to confirmed members of the Presbyterian Church (USA) through high school guidance offices and churches. All forms must be completed and received by December 1. Finalists are selected by a National Committee in mid-March. Scholarship amounts are determined on the basis of financial need.

PRESBYTERIAN LOAN FUND The sum of $500 or $1,000 per year may be borrowed by undergraduate students who are members of the Presbyterian Church (USA) and who give evidence of financial need. Interest of 8 percent is charged on the unpaid balance, and payments and interest begin six months after the student leaves school. Full information is available from the financial aid office of the General Assembly Mission Board, Presbyterian Church, Atlanta, Georgia.

MINISTERIAL TUITION REMISSION Tuition remission is available to any full-time student who is the dependent or spouse of an active Presbyterian minister. Dependents of active ministers of the Presbyterian Church (USA) Mid- Atlantic and South Atlantic synods receive a 20 percent tuition remission. Dependents of active ministers in all other synods of the Presbyterian Church (USA) receive a 15 percent tuition remission.

FAMILY TUITION REMISSION Tuition remission is available to any incoming student whose family currently has one or more family members already enrolled at Queens on a full-time basis. A 10 percent tuition remission will be granted to the incoming member of the family, providing that two or more dependents will be enrolled on a full-time basis during the same academic year.

TO APPLY To apply for financial assistance students must have been admitted to Queens as degree candidates and must complete and submit two application forms:

1. The Queens College Application for Financial Aid, to be submitted to the Office of Financial Aid, Queens College, Charlotte, North Carolina 28274.
2. The Financial Aid Form (FAF), to be submitted to the College Scholarship Service, P.O. Box 6328, Princeton, New Jersey 08541. The student should list Queens College, Charlotte, North Carolina, CSS code #5560, as the institution to receive the report.

Both forms are available from Queens' Office of Financial Aid. The Financial Aid Form also may be obtained from high school guidance counselors.

A copy of the family's 1991 income tax return, as well as other documentation, may be required for verification purposes if federal funds are awarded.

Applications for financial aid should be submitted by entering students as early as possible during the senior year, but before March 1. Notification of action by the college will be sent after Queens receives an evaluation of the applicant's need from the College Scholarship Service.

FINANCIAL AID POLICIES Most financial aid programs are renewable throughout the undergraduate years if the recipient demonstrates satisfactory progress toward graduation, but renewal of aid is not automatic. The Student Qualifications Committee evaluates the progress of students at Queens and determines eligibility for continuing enrollment, according to the standards indicated on page under Student Qualifications. Students receiving financial aid funds must meet these minimum standards as well as a minimum credit-hour accrual indicating progress toward the completion of a degree. Standards for satisfactory academic progress are listed below.

Since renewal of financial aid is not automatic, rising sophomores, juniors, and seniors must reapply to the Office of Financial Aid for assistance each year. The amount offered in grants, loans, and work-study funds also may vary from year to year.

Financial aid recipients who withdraw during the school year and are due a refund under the established Queens refund policy must return an appropriate portion of the refund according to the policy entitled "Withdrawal—Financial Aid Policy."

Students receiving aid under certain programs are expected to assume weekly work assignments at the college. Assignments are determined by the amount of aid received and the student's particular interests and skills. Students should apply their monthly checks toward their account unless notified otherwise by the Financial Aid Office. Renewal of students' work-study assignments each year will be contingent upon financial circumstances as well as previous performance on the job.

Queens College reserves the right to review and modify an offer of financial aid should the recipient receive aid from other sources after the Queens award has been offered.

SATISFACTORY ACADEMIC PROGRESS POLICY This policy is applicable to all students receiving financial aid from the federal or state government or from Queens College.

Evaluation of academic progress will be made at the end of the spring semester by the Financial Aid Officer. The academic year evaluated may include any combination of the prior summer term, fall semester, and spring semester.

Students must maintain the grade-point averages required for their student class status as stipulated by the Student Qualifications Committee for continued enrollment at Queens College. These are published in the *Bulletin* under the sub-heading "Student Qualifications."

Students must show progress toward completion of degree requirements by completing minimum number of credit hours per academic year of enrollment. The credit-hour requirements are as follows:

Full-time undergraduate students

Academic Year Completed	Hours Successfully Completed
1	15
2	33
3	54
4	75
5	99
6	122

Part-time undergraduate students

Academic Year Completed	Hours Successfully Completed
1	6
2	15
3	24
4	36
5	48
6	60
7	75
8	90
9	105
10	122

Graduate Students

Academic Year Completed	Hours Successfully Completed
1	6
2	12
3	18
4	24
5	33

Full-time undergraduate students may receive financial aid for a maximum of six years, part-time undergraduate students for ten years, and graduate students for five years.

Transfer students are treated as first-year students for purposes of measuring academic progress. For example, a full-time student transferring 60 credit hours would be expected to complete a minimum of 15 credit hours during the first year at Queens, a total of 33 credit hours by the end of the second year, etc., so that by the end of the third year of enrollment, a minimum of 114 hours (54 + 60) would be applied toward degree requirements.

Repeated courses, course withdrawals, incompletes, and course failures count as hours attempted but not completed.

Students who fail to meet these minimum standards of academic progress will be placed on financial aid probation for a period of one academic term. During the probationary period students may continue to receive financial aid provided they are otherwise eligible. Students have this period to re-establish satisfactory academic progress by completing the additional hours needed to meet the minimum standard and/or raising their grade-point average to the minimum standards. If, at the end of the financial aid probation period, the students are able to re-establish satisfactory academic progress, the probation period is lifted. If, at the end of the probation period, the students fail to re-establish satisfactory academic progress, they will no longer be eligible to receive financial aid until such time that the minimum standards are met.

Students placed on probationary or ineligible status may appeal such action to the Financial Aid Committee if they believe that extenuating circumstances prevented them from maintaining satisfactory academic progress. Such appeals should take the form of a letter submitted to the Financial Aid Office within two weeks of the end of the probationary period (end of exams), or notification of placement of probationary status. The letter should include an explanation of any unusual circumstances and supporting documentation. The Financial Aid Appeals Committee must respond to the appeal within one week from date of receipt. If the appeal is granted, the students' progress is assumed to be satisfactory and progress is then measured from the time of the granted appeal. If the appeal is denied, the required number of credit hours or the required minimum grade-point average must be achieved at the student's own expense. Once the minimum standards have been achieved, students are again eligible for financial aid. The decision of the Financial Aid Appeals Committee is final.

THE ACADEMIC PROGRAM

Queens College offers programs in the College of Arts and Sciences leading to the Bachelor of Arts degree, the Bachelor of Music, the Bachelor of Science, and the Bachelor of Science in Nursing. While these programs differ from each other in significant ways, each is rooted in the tradition of liberal education, and each provides students with an integrated and coherent program of study including the skills, competencies, and knowledge necessary for a meaningful and successful life. Accordingly, all students earning the bachelor's degree in the College of Arts and Sciences must complete the Foundations of Liberal Learning Program and certain other specific degree requirements described below:

Foundations of Liberal Learning Program

The Foundations of Liberal Learning Program at Queens College consists of a sequence of six courses which a student will normally complete during a four-year program of study. Successful completion of all six courses is required of all full-time candidates for the bachelor's degree in the College of Arts and Sciences.

The aim of Liberal Learning is to encourage a "complex imagination," an intellectual energy which actively strives to connect, interrelate, and integrate human experience. In the Liberal Learning program, both students and teachers consider human experience as a whole, not as a set of isolated segments, and they work to connect experience across disciplines, through past, present and future, and across cultures. In all the Liberal Learning courses, the focus is on active learning, small-group work, creative problem-solving, and ethical reflection.

The Foundations of Liberal Learning Program is supervised by the Director of Liberal Learning and the Liberal Learning Steering Committee, who are responsible for all program requirements and to whom any requests for modification or exemption must be directed. Please see the section below under Academic Regulations for specific policies regarding the Liberal Learning program.

The first year of the Liberal Learning program consists of a five-hour course in Term I and a five-hour course in Term II. These courses provide an interdisciplinary exploration of themes and issues central to the human venture. Topics may vary, but will normally include humanity's relationship to nature, the process of individual development, the interaction between individuals and their communities, and the development of human values. Selected case studies, taken primarily from the Western tradition from the Ancient Near East to the Scientific Revolution, will complement these thematic explorations. Both courses are closely coordinated with the Freshman Composition program.

In the sophomore year, the Liberal Learning program consists of one five-hour course in each term. These courses continue the interdisciplinary investigation of selected problems in the human experience and will highlight especially the modern world and the work of the social and natural sciences. Themes in the course will include, for example, economic development; the relationship of economy and ecology; inter-cultural relationships; the nature of social and psychological change; and the impact of science and technology on modern life. Case studies will come from the contemporary world, especially the Western experience in the 19th and 20th centuries.

Students in the junior year may enroll in a three-hour Liberal Learning course in either Term I or Term II. This course offers intensive investigation of selected topics in the human enterprise in the "world beyond the West."

In the senior year, students take a three-hour Liberal Learning seminar devoted to serious ethical reflection about contemporary issues, problems of the future, ethics in adult careers, and the continuing process of liberal learning.

Complete course descriptions of the Liberal Learning courses may be found in the "Courses of Instruction" section of this catalog.

Other Degree Requirements

To earn a baccalaureate degree in the College of Arts and Sciences, a student must complete a minimum of 122 semester hours, at least the minimum stipulated number of semester hours in the student's major, and at least 36 semester hours at the 300 level or above. The student must earn a minimum cumulative grade-point average of 2.000 in all work at Queens and in all work in the major, and must be in good standing with the Honor Code at the time the degree is awarded. In addition, each student must fulfill the following requirements:

WRITING PROFICIENCY REQUIREMENT A student must enroll in and successfully complete English 110 and English 120 and successfully pass the English Proficiency Test in order to graduate. The test is given at the conclusion of English 120.

MATHEMATICS PROFICIENCY REQUIREMENT Upon entry into the College of Arts and Sciences, all students will be required to take a mathematics placement test. On the basis of the placement test results and their previous academic record, students will be placed in one of three categories. Those placed into category A will not be required to take a mathematics course as a general college requirement; these students are encouraged to continue their mathematical education. Those placed into category B or C are required to successfully complete either MATH 105 (Finite Mathematics) or MATH 111 (Precalculus). Students who place in category C will be advised to enroll in MATH 099 (Basic Mathematics) before enrolling in MATH 105 or MATH 111.

FOREIGN LANGUAGE PROFICIENCY REQUIREMENT All students whose native language is English must demonstrate competency in a foreign language through the 102 level in order to earn the bachelor's degree. Competency may be demonstrated through a placement examination administered by the foreign language department or by successfully completing a three-hour course in that language at the 102 level or above.

NATURAL SCIENCE REQUIREMENT All students must successfully complete at Queens College at least one laboratory-science course carrying a minimum of four semester hours of credit. Course work completed at another accredited institution prior to admission into Queens may be accepted to meet this requirement. Courses that satisfy this requirement are Biology 102, Biology 103, Environmental Science 101, Chemistry 101, Chemistry 111, and Physics 101.

PHYSICAL EDUCATION REQUIREMENT A student must complete two physical education courses, each carrying one semester hour, preferably by the end of the sophomore year. No specific courses are required, but non-swimmers are urged to take PHED 151, Beginning Swimming, in the fall term of their freshman year.

The Vice President for Academic Affairs may exempt students from the physical education requirement for medical or other appropriate reasons. Such requests should be submitted in writing, normally with a supporting recommendation from a physician or the chair of the physical education department. Any student exempted from the physical education requirement must still earn 122 semester hours in order to graduate.

RESIDENCY REQUIREMENT A student must complete at least 60 of the 122 semester hours at Queens; the last 30 hours must be completed at Queens or in a Queens-approved program. However, students who hold an undergraduate baccalaureate from another accredited institution or from Queens and are seeking a second degree must complete at least 30 hours at Queens over and above the hours earned for the first degree. Students must complete at least 60 hours at Queens to be eligible for graduation with honors.

CONVOCATION REQUIREMENT A student must attend the three college convocations (Fall Convocation, Spring Convocation, and Awards Convocation) held annually.

ASSESSMENT REQUIREMENT Students are required to participate in a program of evaluation and assessment administered by the college to measure the effectiveness of a Queens education. This program will include both objective and reflective measurements offered from time to time during the student's years at the college.

Academic Programs

THE MAJOR PROGRAM In addition to completing the Liberal Learning program and other degree requirements listed above, each student must complete a major or concentration. At least 50 percent of the credit hours required for the major must be earned at Queens.

The purpose of a major is twofold: to give the student an opportunity to achieve an appropriate level of mastery in a field of study, and to enable the student to acquire knowledge, skills, and perspectives which may help to make him or her effective in a career. A student will work with his or her faculty advisor to make a wise choice of a major. The student is required to declare the major no later than the preregistration period of the second term of the sophomore year. At that time, the student should also change faculty advisors to one in the major field if necessary.

The requirements of each major are described under the discipline in the section of this catalog called "Courses of Instruction." The majors listed and the pages on which they appear are as follows:

Bachelor of Arts Degree

Accounting	page 71
Art	page 61
Biology	page 67
Business Administration	page 71
Business/Foreign Language	page 112
Communications	page 80
Education	page 90
English	page 98
English/Drama	page 86
European Studies	page 112
French	page 104
History	page 107
Mathematics	page 119
Mathematics/Computer Science	page 84
Music	page 123
Philosophy	page 140
Political Science	page 145
Psychology	page 148
Sociology	page 155
Spanish	page 157

Bachelor of Music Degree

Applied Music (piano, voice, organ, strings, or other instruments) . . . . page 123
Music Therapy . . . . page 123

Bachelor of Science Degree

Biochemistry . . . . page 77
Biology . . . . page 67

Bachelor of Science in Nursing . . . . page 135

DEGREE PROGRAMS

Bachelor of Arts A major for the Bachelor of Arts degree shall consist of no fewer than 30 credit hours. No more than 40 credit hours in the major department shall be required; students may, however, take more than 40 hours in a major department at their own initiative.

Bachelor of Science A major for the Bachelor of Science shall consist of no fewer than 32 credit hours. For this degree, the student is also required to demonstrate language competency through the intermediate level.

Bachelor of Music Queens College offers both the Bachelor of Arts in Music and the Bachelor of Music degree. The Bachelor of Music program includes majors in performance, music education, and music therapy. Students must have the permission of the Department of Music to enter any of the Bachelor of Music programs. The music therapy major is a 4 1/2-year program accredited by the National Association of Music Therapy and the National Association of Schools of Music. The program prepares students for work with children and adults who require special therapy because of behavioral, learning, or physical disorders.

Bachelor of Science in Nursing The Bachelor of Science in Nursing program includes the general degree requirements in liberal education required of all bachelor's degree students at Queens College plus a comprehensive program in nursing. Applicants who have been accepted to the College of Arts and Sciences must also apply to the Division of Nursing for acceptance into the nursing major. Students are encouraged to declare their interest in nursing by the end of the freshman year. Provision is made for those persons, such as registered nurses, who may wish to transfer into this program or apply for advanced standing. Information concerning the nursing program is available directly from the Division of Nursing.

THE MINOR PROGRAM An undergraduate program of study may include one or two minors in a department or departments other than the major. The minor consists of a minimum number of hours and a prescribed program of courses described in detail under each discipline offering a minor. Minor programs must be approved by the faculty advisor and the department concerned.

ELECTIVE COURSES In consultation with the faculty advisor, a student chooses elective courses to complete the number of hours required for graduation. Electives offer the student the opportunity to augment the major field of study with collateral areas of knowledge or to explore areas or skills quite distinct from the major.

TEACHER EDUCATION Students may secure a teaching certificate at the elementary or secondary level within the Bachelor of Arts program.

Students must apply to the Department of Education for admission to the Teacher Education program by the end of the sophomore year. At that time, they are required to take two of the National Teacher Examination Core Batteries, one on General Knowledge and on one Communication Skills. Application for student teaching must be made in the fall of the senior year.

Prior to completion of the program, students must take the last two sections of the National Teacher Examination—Professional Knowledge and Specialty Area.

Persons who already hold a bachelor's degree and are interested in teacher certification for the elementary grades should inquire about the Master of Arts in Teaching program. Those interested in secondary certification may be admitted to the College of Arts and Sciences as special students. They are expected to complete successfully at Queens a minimum of twelve credit hours before undertaking student teaching. In either case, those interested should consult the Office of Admissions, as should certified teachers seeking teacher renewal credit or the Masters of Education degree.

QUEENS-PRESBYTERIAN SCHOOL OF CHRISTIAN EDUCATION DUAL DEGREE PROGRAM Queens College maintains an agreement with the Presbyterian School of Christian Education in Richmond, Virginia, through which a student can earn both the Bachelor of Arts and Master of Arts degrees by studying for three years at Queens and for two years at the PSCE. The student is required to complete 92 credit hours at Queens and will receive the B.A. degree from Queens upon completion of the necessary 30 additional hours in appropriate courses at the PSCE. The student must, of course, satisfy all other degree requirements at Queens as well, including the Liberal Learning program. Students interested in this program should contact the Office of Admissions.

PRE-PROFESSIONAL ADVISING PROGRAMS Students who wish to prepare for post-baccalaureate professional education in a number of fields are served at Queens by a special faculty advisor and by the Center for Career Development. Such students may, in combination with an individual major, elect to structure a program of study which is recommended as suitable preparation by the faculties and admissions committees of graduate programs.

Students interested in medicine, dentistry, and physical therapy are generally advised to complete a sound liberal arts program in any major, provided that sufficient and appropriate courses in the natural sciences and mathematics are included. Information concerning the Medical College Admission Test (MCAT) is available from the Center for Career Development.

Law schools do not require or recommend specific courses or majors. They do advise, however, that students examine a wide variety of subjects and ideas which lead to a broad understanding of the political, economic, social and cultural forces affecting our body of law and the society it orders. They also recommend that students develop the skills of logical reasoning, problem solving, and effective written and oral communication. Such areas of knowledge are comprehensively addressed in the Foundations of Liberal Learning Program at Queens as well as in individual majors.

Students interested in preparation for legal studies will be referred to the college's pre-law advisors and may wish to join the Justinian Society to broaden their knowledge of the law and current legal issues. Information concerning the Law School Admissions Test (LSAT) is available at the Center for Career Development.

INTERNSHIPS Queens College makes special efforts to encourage all students to include internship experiences in the program of study. An internship is a planned and supervised out-of-class work experience where a student uses the skills, knowledge, and theories developed in the classroom setting.

Each major department in the College of Arts and Sciences offers at least one internship opportunity. Internships numbered 299 offer students exploratory experiences through which they may investigate possible career directions or experience community responsibilities. While open to all students, Exploratory Internships are especially valuable for students in the sophomore or junior year who have not yet formulated clear career directions. Internships numbered 499, called Professional Internships, allow the student to apply directly skills learned in the classroom to professional work responsibilities. To be eligible for a Professional Internship, students are generally required by the department to have strong and appropriate academic preparation.

The student and faculty advisor plan an internship using as resources the Center for Career Development and the faculty internship advisor. The faculty supervisor of an internship is responsible for submitting a grade for the internship and serves as a faculty contact person for the intern and the on-site supervisor. Guidelines for internships are available at the Center for Career Development.

Internship proposals must be submitted to the Center for Career Development no later than the end of the second week of Term I, Term II, or the summer term.

All internships are graded on a Pass-Fail basis. Normally, no more than 12 hours of internship credit shall be counted toward the 122 hours required for the bachelor's degree.

INDEPENDENT STUDIES AND DIRECTED READINGS A mature and academically sound student may, under the direction of a member of the faculty and with the approval of the faculty advisor, undertake directed readings or an independent study of a topic of interest to the student and germane to the student's program of study. This study may take one of several forms, including projects, individual research, or directed reading.

To register for an Independent Study or Directed Reading course, the student must submit a course proposal form to the Office of Academic Affairs by the end of the term in which the student preregisters for the course.

SUMMER SCHOOL The New College at Queens coordinates all day and evening undergraduate summer courses offered at the institution.

STUDY ABROAD In addition to arranging study tours, the International Experience Program office aids students who wish to spend a term or academic year studying abroad. Students may take part in approved programs of study for American students, attend a foreign university, or participate in the Experiment for International Living. Queens participates in the Association of the United Colleges for Foreign Exchange and Study, which offers programs in Strasbourg, Heidelberg, Lancaster (England), and at the London School of Economics. To apply for study abroad, students must have at least a 2.000 average and approval of the faculty advisor, and meet specific requirements of the desired program.

Academic Regulations

ACADEMIC RESPONSIBILITY While Queens College makes every effort to advise and counsel students on their academic programs and academic requirements, it is the student who is ultimately responsible for fulfilling all requirements for a degree. To help the student enact his or her own responsibility, all academic plans and programs must be approved by the student's faculty advisor.

In general, a student must fulfill the degree requirements and major requirements set forth in the catalog which was current when the student entered Queens. Other academic regulations amended while a student is in course at Queens may well be deemed to apply regardless of the policies stated in the catalog of entry. Further, curricular exigencies or other circumstances may require the college to modify degree or major requirements from those at entry, and that right is reserved.

THE HONOR CODE Because the Honor Code of Queens College applies to all phases of life at the college and is binding on all members of the college community, it provides an atmosphere of mutual trust among students, faculty, and administration. The Honor Code is fully described in the Student Life section of this catalog.

ACADEMIC ADVISING Each student in the College of Arts and Sciences is assigned upon entry a faculty advisor who normally serves the student until the major is declared, at which point the student selects an advisor in the major department. It is the student's responsibility to schedule advising appointments as often as necessary in order to plan course schedules for each term and to discuss current academic questions and problems. The faculty advisor is a resource and a guide in planning and meeting all graduation requirements.

COURSE LOAD The regular academic year at Queens consists of two fourteen-week semesters, Term I and Term II. The college offers a summer term for those who wish to enroll. The normal load for all students is from 12 to 18 credit hours in Term I and Term II. A student must have special permission from the Office of Academic Affairs to register for more than 20 hours.

PART-TIME STUDENTS Students who are enrolled in fewer than 12 semester hours in Term I or Term II are considered part-time students. Part-time degree-seeking students in the College of Arts and Sciences who have not previously earned a baccalaureate degree must fulfill all degree and major requirements for their selected program of study. Part-time students are encouraged but not required to complete the Liberal Learning program. If they do not, they must have credit for courses listed in the Table of Substitutions for the Liberal Learning program (page 55), either through transfer credit or by taking the substituted courses at Queens.

TRANSFER STUDENTS Transfer students must meet all degree requirements, including, of course, the stipulation that at least 60 of the 122 semester hours must be completed at Queens. The Registrar will supply a complete audit of transferred credit and its applicability to Queens graduate requirements, with the exception that the Liberal Learning Steering Committee will advise the Registrar about how courses taken elsewhere may substitute for portions of the Foundations of Liberal Learning Program.

In general, transfer students enter the Liberal Learning program at the appropriate class-level standing for hours of credit transferred. See the "Foundations of Liberal Learning Program Regulations" section of this catalog for details concerning use of the Table of Substitutions to evaluate transfer credit towards Liberal Learning courses.

TRANSFERS BETWEEN CAS AND NEW COLLEGE Students are admitted either to the College of Arts and Sciences or to the New College; admission is not transferable. However, a student dismissed from either college is dismissed from all Queens College programs until readmitted.

A student may apply to transfer from the New College to the College of Arts and Sciences or the reverse after completing at least one term in the college of entry, provided that the student has earned a minimum cumulative grade-point average of 2.000 at Queens College and is not on any type of academic or social probation. Approval to transfer to the College of Arts and Sciences may be granted by the Coordinator of Student Academic Development and to New College by the Director of New College.

At a minimum, students must complete 30 hours of the residency requirement in the college to which they transfer and must complete all of the graduation requirements of that college. Students may not earn a major or minor which is not offered in the college into which they transfer.

Students seeking inter-college transfer who also wish to change status (for example, from degree-seeking to special) must apply for change of status through the Office of Admissions before initiating the transfer process.

SECOND-DEGREE STUDENTS Students who hold an undergraduate degree, either from Queens or from another accredited institution, may seek a second degree provided it is a different baccalaureate degree from the first earned. Such students must meet all degree requirements stipulated for transfer students except that the residency requirement is 30 semester hours rather than 60. Queens College graduates who wish to add a second major within the same baccalaureate degree may do so by fulfilling the requirements for that major as stipulated in the catalog for the year of re-entry to Queens.

SPECIAL STUDENTS A special student is admitted to the college without the expectation that he or she will earn a degree. Special students who have never earned a bachelor's degree may enroll for a cumulative total of 15 credit hours; in order to continue at Queens they must apply for regular admission or receive special permission to continue. A special student who has earned a bachelor's degree may take unlimited credits as a special student. All special students must comply with all college regulations.

TRANSIENT OR CONTRACT STUDENTS These students are degree candidates at another college or university but are taking courses at Queens by special arrangement.

CONSORTIUM STUDENTS Degree-seeking students at the 11 area colleges which make up the Charlotte Area Educational Consortium may enroll in a course in any one of the member institutions during the regular academic year.

CLASS ATTENDANCE As a general policy, students are expected to attend all class sessions. Specific attendance policies are set for each course by individual faculty members and should be printed in the syllabus or announced at the beginning of the term. It is the student's responsibility to know the attendance policy in a particular course.

A faculty member will, if possible, allow a student to make up or complete academic assignments when the student misses class because of illness, or when representing the college at an official college function, or for other justifiable reasons. However, it is the student's responsibility to notify the professor of such absences, preferably in advance, but surely in a timely fashion. This notification must be in writing; forms are available.

It is a violation of the Honor Code for a student to be untruthful concerning the reasons for a class absence. Students are also honor-bound to report any such suspected violations of the Honor Code.

The Office of Academic Affairs, the Office of Student Development, and the Student Health Center may not excuse students for class absence. Those offices will, however, notify faculty members upon request when illness or grave circumstances beyond a student's control will necessitate a class absence.

GRADING Queens uses the following system of grades and grade-point values per credit hour:

Grade	*Interpretation*	*Grade-Point Value*
A	Superior	4.0
A-		3.7
B+		3.5
B	Good	3.0
B-		2.7
C+		2.5
C	Satisfactory	2.0
C-		1.7
D+		1.5
D	Poor	1.0
F	Fail	0.0
P	Pass	(0)
NR	No Record	(0)
WP	Withdrew Passing	No effect on grade points.
WF	Withdrew Failing	No effect on grade points.
W	Administrative Withdrawal	No effect on grade points.
I	Incomplete	May become any other letter grade except WP or WF upon completion.
AU	Audit	(0)

Grade reports are sent to students at the end of each term. Mid-term reports are issued in Terms I and II to indicate special difficulties in course work in progress. Only final course grades are permanently recorded.

Pass/No Record Pass/No Record is a grading system designed to encourage students to explore new areas. Students may elect to take up to two courses per academic year on a P/NR basis, but may take no more than one course per term on the P/NR basis. Some courses are designated P/NR for all students. Other courses may not be taken P/NR. A student may not take a Liberal Learning course or a course in the major or minor program on a

P/NR basis without special permission from the department and the Office of Academic Affairs. The grade of "P" is recorded when a student earns a grade of C- or better in the course. If a student earns a D+, D, or F, the "NR" designation is used. An "NR" differs from an F because it is not recorded on the student's permanent academic record and is not counted in the calculation of the student's cumulative grade-point average.

A student must indicate at registration when a course is to be taken P/NR. He or she may change to a regular graded basis in consultation with the Registrar up to one week following midterm.

Pass/Fail Pass/Fail is the grading system used for special course offerings including internships and the international experience study tours. The grade of "P" is recorded when a student earns a grade of C- or better in the course. An F is recorded when the work is unsatisfactory. P/F differs from P/NR in that F's are recorded on the student's permanent academic record, while NR's are not.

Incompletes The grade of Incomplete (I) is given at the discretion of the instructor and only when unusual circumstances make it impossible for the student to complete the course work by the end of the term. Students are responsible for arranging to complete such work. A grade of I received during Term I must be changed to another letter grade by the end of the second full week of regular classes of Term II; an I received during Term II or Summer Term must be changed to another letter grade by the end of the second full week of regular classes of Term I.

However, a student on academic probation who receives an I must complete the course work and receive a regular letter grade at least 48 hours prior to registration for the subsequent academic term.

A grade of I automatically becomes an F if the student fails to make up incomplete work satisfactorily by the above deadlines.

REPEATED COURSES If a student fails a course, he or she may repeat that course only once either at Queens or at another accredited institution with prior approval of the appropriate department chair and the vice president for academic affairs. The F grade will remain on the student's record. If the course is repeated at Queens, both the F and the second grade will be figured into the student's cumulative grade-point average. If the course is repeated at another institution, the credit but not the grade will transfer; thus only the original F will be figured into the cumulative average.

A student also may elect to repeat a course after earning a D, D+, or C- in order to demonstrate mastery of the material. In this case, the first grade will remain on the student's average and will be the only grade figured into the cumulative average; no additional hours of credit will be awarded.

In either case, a course may be repeated only once, either at

Queens or at another accredited institution. No more than two courses in the student's major field may be repeated. Regular tuition is charged for all repeated courses.

A student may also repeat a course for credit if the course is listed as "may be repeated for credit." In that case, all grades and credit hours are included in the student record.

CLASS STATUS Students are assigned class status according to the number of credit hours earned. A freshman has earned from 0 to 23 credit hours. A sophomore has earned 24 to 51 credit hours. A junior has earned 52 to 89 credit hours. A senior has earned 90 or more credit hours.

DEAN'S LIST Degree candidates who achieve a term average of 3.500 in at least 12 hours of graded academic work are named to the Dean's List. Students with an Incomplete grade will not be considered for the Dean's List, and courses in which the grade of P is earned may not count towards the 12-hour minimum.

HONORS AT GRADUATION The distinctions *summa cum laude, magna cum laude,* and *cum laude* are awarded by the college for academic excellence. *Summa cum laude* is awarded to students who have a grade-point average of 3.850 or better, *magna cum laude* to students who have a grade-point average of 3.650, and *cum laude* to students who have a grade-point average of 3.500. A student must have completed at least 60 hours at Queens College to be eligible for graduation with honors. The grade-point average will be determined by work taken at Queens.

ELIGIBILITY TO REPRESENT THE COLLEGE Students on academic probation, students on social probation for six weeks or longer, and students who are suspended from a class or from the college are not eligible to represent the college in off-campus extracurricular activities, to participate in varsity athletics, to hold campus office, or to run for campus office until the probation or sanction is lifted.

REGISTRATION Pre-registration advising and advanced registration are held toward the end of each term. During these periods, students consult with their advisors to plan the schedule of courses they plan for the next term and submit a preliminary program of study to the Registrar.

Registration is held at the beginning of each term. At that time, students confirm their course registrations from advanced registration and conduct other necessary college business, including receiving identification cards and parking permits. Students are not considered registered at Queens College until the registration process, including payment of tuition and fees, has been completed.

CHANGE IN REGISTRATION OR DROP/ADD Courses may not be added or dropped on registration day. Changes in registration may be made during the first calendar week of classes at the beginning of each term. The advisor's signature is required on the drop/add form. If the form is returned to the Office of the Registrar by the deadline, courses dropped will not appear on the student's permanent record. For part-time students, tuition charges for courses dropped during the change in registration period will be prorated according to published guidelines.

WITHDRAWAL FROM A COURSE Following the change-in-registration deadline described above, a student must formally withdraw from a course with the grade WP or WF recorded on the transcript. The deadline for withdrawal from a course is the end of the calendar week following the midterm point in each term. A course withdrawal form requires the signature of the academic advisor. A student who does not withdraw from a course but simply stops attending will receive an F in that course.

AUDITING COURSES A student enrolled in 12 to 16 credit hours and maintaining a cumulative grade-point average of 3.000 or better may, with the consent of the course instructor and the Registrar, audit a course. The student receives no credit for an audited course, but a record of the audit does appear on the student's transcript. Drop/Add and course withdrawal policies apply to audited courses, and auditors are expected to attend class regularly for the grade AU to appear on the transcript. Special students may audit a course with permission from the Vice President for Academic Affairs. Regular tuition charges apply.

COURSES TAKEN AT OTHER INSTITUTIONS Normally, Queens students may take courses at another accredited institution for credit at Queens either in the summer or a regular term provided that these courses are equivalent or supplemental to those offered at Queens. In order to receive credit for such transferred courses, students must secure the prior permission of the appropriate department and division chairs and the Vice President for Academic Affairs, must make a grade of C or better in each course, and must have the other institution send an official record of the work to the Registrar. A student's cumulative grade-point average is not affected by course credit earned at another institution.

Queens students, if qualified, may enroll at one of the other colleges which make up the Charlotte Area Educational Consortium in any course not offered at Queens and receive full credit towards the Queens degree without the payment of additional fees. Arrangements for consortium cross-registrations are made through the Registrar's office. See page 7 for a list of consortium institutions.

The natural science graduation requirement may not be satisfied by credit earned at another institution except as transfer credit earned prior to admission to Queens.

FOUNDATIONS OF LIBERAL LEARNING PROGRAM REGULATIONS All full-time candidates for all degrees in the College of Arts and Sciences must successfully complete the Liberal

Learning sequence of six courses.

Liberal Learning courses must always be taken for a letter grade.

Liberal Learning courses should be taken in sequence. They may, when necessary, be taken out of sequence with the approval of the Director of Liberal Learning and the Liberal Learning Steering Committee.

Because the Liberal Learning program is an integrated experience, there are no courses offered at Queens or elsewhere that are precisely equivalent to the courses in the sequence. However, in cases of necessary exception to policy, students may find it necessary to complete a bachelor's degree program by utilizing the following Table of Substitutions:

Course not completed	Substitute
LLRN 110 or LLRN 120	Two Humanities or Fine Arts (non-studio) courses at the 100/200 level taken in different departments.
Both LLRN 110 and LLRN 120	Four Humanities or Fine Arts (non-studio) courses at the 100/200 level taken in different departments.
LLRN 210 or LLRN 220	Two courses at the 100/200 level, one in a natural science and one in a social science.
Both LLRN 210 and LLRN 220	Four courses at the 100/200 level, one in a natural science and three in the social sciences, taken in different departments.
LLRN 310	One course at the 300/400 level primarily concerned with a non-European, non-U.S. culture; the course may be from any discipline.
LLRN 410	One course at the 300/400 level primarily concerned with serious ethical reflection; the course may be from any discipline.

When a student transfers to Queens as a full-time student, the Registrar will determine the student's class status. The student will then begin the Liberal Learning sequence at the point appropriate for that status. In addition, however, the Registrar will determine whether or not the incoming student's transcript includes sufficient courses as measured by the Table of Substitutions for the Liberal Learning courses not taken previously. If the students lacks sufficient substitutes, the student may either take the Liberal Learning courses lacking or make up the past deficiencies with appropriate substitute courses.

If a student fails a Liberal Learning course or is unable to complete a course for sound reasons beyond the student's control, the student normally has the option of taking the course over or passing appropriate substitutes. In each such case, the Liberal Learning Steering Committee will examine the student's transcript and approve a particular and appropriate course of action.

Part-time, degree-seeking students who have not previously earned a baccalaureate degree are encouraged but not required to participate in the program. Should a part-time student not elect to complete the courses in the Liberal Learning sequence, he or she is required to complete the courses listed in the "Table of Substitutions" in order to receive the bachelor's degree. Students who change from part-time to full-time must begin the Liberal Learning sequence at the point appropriate to class status at that time.

STUDENT QUALIFICATIONS The faculty has established standards of satisfactory academic progress which are administered by its Student Qualifications Committee. At the end of Term I and Term II, this committee reviews the academic record of each student in academic difficulty.

Academic Probation A student is placed on academic probation when his or her cumulative grade-point average falls below the following levels for each class standing:

Class Status	Credit Hours	Minimum grade-point average
Freshman	0-12	1.500
	13-23	1.800
Sophomore	24-37	1.800
	38-51	1.900
Junior	52-70	1.900
	71-89	2.000
Senior	90 or more	2.000

The Student Qualifications Committee will review the records of part-time and special students for probationary consideration after nine semester hours of work have been completed at Queens and thereafter in increments of nine semester hours of work. Part-time and special students must maintain cumulative averages commensurate with their class status as listed above, except that special students holding a bachelor's degree must maintain a cumulative average of 2.000. Students on academic probation may not enroll in more than eighteen credit hours in any one term.

Academic Dismissal The Student Qualifications Committee will review the record of each student on academic probation at the end of Term I and Term II, and at the end of Summer Term if the student earned nine credit hours. A student will be eligible for academic dismissal unless he or she has raised the cumulative average to the minimum standard commensurate with class status or earned a term grade-point average of 2.000 in the previous term.

Students have the right to present a written appeal concerning academic dismissal to the Student Qualifications Committee. The decision of the committee concerning such appeals is final.

Readmission Students dismissed from the college for academic reasons may apply for readmission only after completing nine semester hours (or the equivalent) at another accredited institution with grades of at least 2.000 in each course. Students will apply for readmission to the Student Qualifications Committee. A readmission application (available from the Office of Admissions) must be submitted along with transcripts for all academic work attempted and a personal statement concerning the student's goals and accomplishments since leaving Queens.

A student readmitted to the college is normally placed on academic probation for the first term.

LEAVE OF ABSENCE With the endorsement of the academic advisor, a student in good standing may apply for a leave of absence for one or two academic terms. Approval for a leave of absence will be granted for medical or personal reasons, in order to enroll in an off-campus academic program, or for other experiences which support the student's program of study. Students on leave will receive registration and housing materials from Queens prior to the term of return. Students returning from approved leaves may resume degree and major programs in effect at the time the leave is approved.

WITHDRAWAL FROM THE COLLEGE Students who wish to withdraw from the college during the term or who do not plan to return for the subsequent term must formally withdraw through the Office of Academic Affairs. The student is asked to participate in an exit interview with an appropriate member of the staff of the college.

A student who withdraws during the term must also take responsibility for receiving clearance from the Business Office, Financial Aid Office, and Office of Student Development concerning financial matters. The effective withdrawal date is the day upon which all required clearance signatures are obtained. Should the student be unable for grave reasons beyond his or her control to complete this process, the effective date of withdrawal is determined by the Vice President for Academic Affairs and a representative of the Business Office.

A student who simply stops attending classes without proper notification will be assigned the grade of F in all courses.

The college reserves the right to require at any time the withdrawal of any student whose conduct or academic work is not considered satisfactory.

ACCESS TO RECORDS In accordance with the Family Educational Rights and Privacy Act of 1974, Queens College permits students to inspect their records whenever appropriate and to challenge specific records when they feel it necessary to do so. The following information about each student is considered "directory information" and is public: full name, local address, home address, telephone number, date of birth, major field of study, dates of attendance at Queens College, class year, degrees, honors and awards received, participation in officially recognized college activities and student organizations, parents' or guardians' names, and religious affiliation. This information may be released or published without the student's consent. However, students who do not wish this information, or any part of it, to be released or made public may inform the Registrar's Office, in writing, within 10 days after registration each term. The Registrar will notify other college offices of such requests. Students should understand that if they withhold directory information, it will not be released to anyone unless the health or safety of an individual is involved. It is the policy of Queens College to refuse to release information to private firms for use in mailing lists.

Queens College recognizes that the Family Educational Rights and Privacy Act of 1974, as amended, does not intend to exclude release of information regarding students' academic progress/grades to their parent(s)/guardian(s) if such information is requested. Queens College also recognizes the student's right to specify that information regarding academic progress/grades not be released to parent(s)/guardian(s). Written notification must be made to the Registrar.

RECORDS OF PROGRESS The college maintains records of progress on both veteran and non-veteran students. Progress records are furnished to all students at the end of each scheduled academic term.

DIVISIONS OF THE COLLEGE OF ARTS AND SCIENCES

Division of Business Administration

Robert L. Finley, *Chair, Dana Professor of Business Administration*
Ronald J. Basini, *Associate Professor of Business Administration*
Timothy E. Burson, *Assistant Professor of Economics*
James W. Foster, Jr., *Assistant Professor of Business Administration*
Catherine A. Haselden, *Vice Chair, Associate Professor of Business Administration*
Paul T. Hoying, *Assistant Professor of Business Administration*
Randall R. Kincaid, *Professor of Economics*
H. Allen Maynard, *Associate Professor of Business Administration*
Darrel L. Miller, *Assistant Professor of Business Administration*
Christopher J. Ritz, *Professor of Business Administration*
Sara Scott, *Instructor of Computer Information Systems*
Donald L. Wallace, *Associate Professor of Business Administration*
Karen J. Zapata, *Assistant Professor of Business Administration*

Division of Fine Arts

Joseph E. Lammers, *Chair, Livingstone Professor of Music*
Richard F. Crown, *Associate Professor of Art*
James H. Glenn, *Associate Professor of Music*
Jayne Johnson, *Assistant Professor of Art*
Frances J. McClain, *Assistant Professor of Music*
Paul A. Nitsch, *Carolyn G. McMahon Assistant Professor of Music and Artist-in-Residence*
Robert F. Porter, *Associate Professor of Art*
Constance Rhyne Bray, *Instructor of Music*

Division of Humanities

Richard T. Goode, *Chair, Carolyn G. and Sam H. McMahon, Jr., Professor of English*
Cathy S. Bowers, *Instructor of English*
Deborah Campbell, *Instructor of English*
Mollie C. Davis, *Professor of History*
Michael Eldridge, *Assistant Professor of Philosophy*
J. Norris Frederick, *Assistant Professor of Philosophy*
Glenda E. Gilmore, *Assistant Professor of History*
Charles O. Hadley, *Dana Professor of English*
Jane H. Hadley, *Associate Professor of English (Drama)*
Michael J. Kobre, *Assistant Professor of English*
Eric J. Lien, *Assistant Professor of Foreign Languages (French)*
Dorothy H. McGavran, *Instructor of English*
Douglas A. Minnerly, Jr., *Assistant Professor of Theatre*
J. Diane Mowrey, *Associate Professor of Religion*
Richard E. Rankin, *Assistant Professor of History*

Charles M. Reed, *Professor of Liberal Learning and History*
Emily Seelbinder, *Assistant Professor of English*
Michele M. Shaul, *Assistant Professor of Foreign Languages (Spanish)*
Mary Alice Shaver, *Visiting Professor of Communications*
E. Lee Stoffel, *Associate Professor of Religion*
William A. Thompson, *Professor of History*
Wendy Waite, *Assistant Professor of Communications*
Robert W. Whalen, *Carolyn G. and Sam H. McMahon, Jr., Professor of History*

Division of Natural Sciences and Mathematics

Virginia L. Martin, *Chair, Carolyn G. and Sam H. McMahon, Jr., Professor of Biology*
Florapearl A. Cobey, *Professor of Chemistry*
Barry Corona, *Associate Professor of Chemistry*
Rebecca C. Jann, *Dana Professor of Biology*
Yong Li, *Assistant Professor of Mathematics*
Laurence Littau, *Senior Lecturer of Chemistry*
Peggy Maiorano, *Instructor of Biology*
Jimmie C. Oates, *Professor of Physics*
M. Lesley O'Connor, *Associate Professor of Mathematics*
Joan E. Quinn, *Assistant Professor of Mathematics*
Hasmukh M. Raval, *Associate Professor of Mathematics and Computer Science*
R. Kent Rhodes, *Associate Professor of Biology*
Victor E. Terrana, *Associate Professor of Mathematics and Computer Science*

Division of Nursing

Jeanne E. Christman, *Instructor of Nursing*
Carlene H. Fulk, *Assistant Professor of Nursing*
Mary Jo Gilmer, *Assistant Professor of Nursing*
Ruth E. Stephenson, *Assistant Professor of Nursing*

Division of Social Sciences and Education

Christine L. Allegretti, *Chair, Associate Professor of Psychology*
Chrystle L. Baker, *Instructor of Physical Education*
Ann P. Comfort, *Assistant Professor of Education*
Suzanne M. Degni, *Assistant Professor of Education*
Loren E. Fauchier, *Assistant Professor of Political Science*
Janice L. Ginger, *Associate Professor of Education*
Phyllis A. Pharr, *Associate Professor of Physical Education*
Robert W. Ridel, *Assistant Professor of Sociology*
Laurence R. Upton, *Assistant Professor of Psychology*

COURSES OF INSTRUCTION

COURSE LISTINGS Course listings give general information concerning each area of study and the requirements for major programs in each discipline. These requirements should be noted carefully by students when deciding on a major.

Many of the courses in the sections beginning on the next page will be listed in the class schedule that is distributed prior to each term.

COURSE NUMBERS In general, courses numbered 100-299 are primarily for freshmen and sophomores; those numbered 300-499 are primarily for juniors and seniors. In specific cases, however, the individual student's ability and background rather than class standing will determine the appropriate level of work.

Double numbers separated by a comma (e.g. 300, 302) indicate that the completion of both courses forms a desirable unit. Occasionally the first course is a prerequisite to the second.

COURSE CHANGES Queens College reserves the right to change the course offerings and instructors indicated in this catalog without prior notice to persons who may thereby be affected. Every effort is made to help a student affected by a course change by providing the opportunity for an independent study or some other suitable arrangement.

Art

The Department of Visual Arts offers varied programs leading to the Bachelor of Arts degree. The curricula are designed to prepare students for graduate study, teaching, museum work, and professional careers in art and design areas. Studio experiences are balanced with courses in art history and the liberal arts to strengthen the humanistic base of the programs. The essential aim of the programs is to develop intellectual and performance abilities, and assure a sound foundation for further development of the student, or for his or her entry into a professional field.

MAJOR Students may earn a Bachelor of Arts degree with a major in art. There are two possible areas of concentration for the major in art:

Studio concentration: Art 104, 133, 134, 202, 203, 215, 216, 223, one art history course at or above the 300 level, four studio courses at or above the 300 level (to be approved by departmental advisor), and 498.

Art History Concentration: Art 215, 216, 315, 345, 407, 415, three courses in the art studio area (the following are suggested, as they do not involve prerequisites, nor do they assume studio expertise: 101, 104, 133, 134, 223, 227), and 498.

Students majoring in art must register for ART 100 each semester.

MINOR The requirements for the minor in art are as follows: Art 104, 133, 134, 215, 216, any one of 202, 203, 204, or 223, and two courses at the 300 level or above.

SOPHOMORE REVIEW Sophomore review is required of all students concentrating in studio art. The student registers for sophomore review in Term II of the sophomore year or when 18 credit hours in art have been completed. This review consists of presentation of works from the student's portfolio to members of the art faculty; its aim is to provide direction for the student's subsequent course of study.

INTERNSHIPS are an integral part of all programs within the department and provide the student with valuable practical experience in all professional areas.

ART 100 The Visual Experience

Required every semester of all declared art majors. Students will attend six specified events or exhibits during each semester and write brief critical essays on those events for class-room discussion (one hour each week). Grading is Pass/Fail. Can be repeated up to seven times. *1/2 Hr.*

ART 101 Introduction to Art

Designed for the student with little or no art experience who wishes to gain understanding of the "language" of art (composition, line, space, color, etc.) and art's significance in human terms. Involves slide presentations and classroom discussions. *3 Hrs.*

ART 104 Drawing I

Emphasis on drawing through close observation of nature and as an expressive medium for communicating felt responses to subject matter. Exercises in contour, gesture, modeled form, and light, using still life, landscape, and the human figure. Media to include pencil, charcoal, and ink. Six hours studio a week. Prerequisite: Art 133. *3 Hrs.*

ART 133 Two-Dimensional Design

Exploration of basic elements of three-dimensional form and space; use of a wide variety of materials and tools; various approaches to the organization and interaction of form in three-dimensional space. Six hours studio a week. *3 Hrs.*

ART 134 Three-Dimensional Design

Exploration of basic elements of three-dimensional form and space; use of a wide variety of materials and tools; various approaches to the organization and interaction of form in three-dimensional space. Six hours studio a week. *3 Hrs.*

ART 202 Painting I

Studies in basic structure and color, with emphasis on pictorial elements interpreted through painting media. Six hours studio a week. Prerequisites: Art 104, 133. *3 Hrs.*

ART 203 Sculpture I

Exploration of basic elements of three-dimensional form and space with special emphasis on the exploration of various styles, materials, and techniques. Six hours studio a week. Prerequisite: Art 134. *3 Hrs.*

ART 204 Drawing II

An intermediate course based primarily on the study of the human figure, using a variety of drawing media. Six hours studio a week. Prerequisite: Art 104. *3 Hrs.*

ART 215 Ancient to Early Renaissance Art

Survey of stylistic developments in architecture, sculpture, painting, and the minor arts of the Mediterranean and European countries from prehistoric times to approximately 1500 A.D. *3 Hrs.*

ART 216 High Renaissance Art to the Present Time

Survey of stylistic developments in architecture, sculpture, painting, and the minor arts of Europe and America from approximately 1500 to the present day. Prerequisite: Art 215 or permission of the instructor. *3 Hrs.*

ART 223 Ceramics I

Fundamentals of both hand building and throwing on the potter's wheel. Hand-building techniques will include pinch, coil, and slab construction. Glaze instructions will stress the relationships between form and color. Six hours studio a week. Course fee is $25. *3 Hrs.*

ART 227 Photography I

Photography used as an expressive medium and as a tool for exploring visual experience. Emphasis will be on selection and treatment of subject matter. Students will learn necessary skills in photographic technique and be acquainted with the historical development of photography. Six hours studio a week. Course fee is $25. *3 Hrs.*

ART 255 Advertising, Layout, Production, and Design

Fundamentals of advertising production. With special attention to layout techniques and design attitudes governing graphic arts. Six hours studio a week. Prerequisites: Art 104, 133. *3 Hrs.*

ART 302 Painting II

Advanced study with an emphasis on the individual development and experimentation in a chosen painting medium. Six hours studio a week. Prerequisite: Art 202. *3 Hrs.*

ART 303 Sculpture II

Further examination of the theory and practice of sculptural forms begun in Sculpture I. Six hours studio a week. Prerequisite: Art 203. *3 Hrs.*

ART 304 Drawing III

An advanced drawing course encouraging an independent and critical attitude and approach through more extended, student-directed studies in a wide variety of media, including work in color. Six hours studio a week. Prerequisite: Art 204. *3 Hrs.*

ART 307 Art in the United States

Study of the architecture, sculpture, painting, and minor arts of the Colonial period through the present, supplementing courses in American social and political history. Prerequisites: Art 215, 216, or permission of the instructor. *3 Hrs.*

ART 310 Printmaking I

Exploration of the basic principles of printmaking through such media as wood cuts, linoleum cuts, or serigraphy. Pictorial composition, sound procedure, and techniques are stressed in the program. Six hours studio a week. Course fee is $25. Prerequisites: Art 104, 133. *3 Hrs.*

ART 315 Art of the Modern Era, 1870 to the Present

Critical examination of major trends in the visual arts from c. 1870 to the present, within the context of developments in science, philosophy, religion, politics, etc. Prerequisites: Art 215, 216, or permission of the instructor. *3 Hrs.*

ART 323 Ceramics II

Continuing exploration of ceramic possibilities including advanced throwing techniques, larger hand-construction projects as well as basic glaze formulation theory. Six hours studio a week. Course fee is $25. Prerequisite: Art 223. *3 Hrs.*

ART 329 Photography II

Further investigation of photography as a creative medium and advanced photographic techniques. Six hours studio a week. Course fee is $25. Prerequisite: Art 227. *3 Hrs.*

ART 345 Art and Religion in the West

Critical examination of the visual arts as embodiments of major theological developments from c. 320 A.D. to the present. Prerequisites: Art 215, 216, or permission of the instructor. *3 Hrs.*

ART 364 Intermediate Advertising, Layout, Production, and Design

Continued investigations into advertising production. Further developments of layout techniques and design attitudes governing graphic arts. Six hours studio a week. Prerequisite: Art 255. *3 Hrs.*

ART 384 Ceramic Design

Students develop a repertoire of original decorations and learn to adapt them to a variety of forms. This course includes extensive exposure to the history of ceramic forms and decoration. Course fee is $25. Prerequisites: Art 133, 323. *3 Hrs.*

ART 402 Painting III

Further exploration in painting on an independent-study basis. Prerequisites: Art 202, 302. *3 Hrs.*

ART 403 Sculpture III

Advanced studies in the exploration of sculptural theory and practice as a means of expression. Six hours studio a week. Prerequisite: Art 303. *3 Hrs.*

ART 406 Special Topics in Studio Art

An in-depth study of the specialized areas not included in the curriculum. Topics to be announced annually. Prerequisite: To be determined according to the nature of the topic. *1, 2, 3 Hrs.*

ART 407 Topics in Art History

Focus on specific questions of style, traditions, and influence as they relate to the emergence and development of art in Europe and America. Topics to be announced annually. Prerequisites: Art 215, 216, or permission of the instructor. *3 Hrs.*

ART 410 Printmaking II

Continued study in relief printing techniques and serigraphy, encouragement of independent exploration within the medium through student-directed assignments. Six hours studio a week. Course fee is $25. Prerequisite: Art 310. *3 Hrs.*

ART 415 Art Since 1945

Critical examination of the visual arts since World War II, and of their responses to the radical reformulations of philosophical, religious, economic, and social attitudes. Prerequisites: Art 215, 216, or permission of the instructor. *3 Hrs.*

ART 423 Ceramics III

A focus on advanced throwing and hand-building techniques directed toward developing a personal style of ceramic forms in either a functional or non-functional framework. Emphasis is on increased control and size of designed forms. Six hours studio a week. Course fee is $25. Prerequisite: Art 323. *3 Hrs.*

ART 444 Ceramic Materials

This course covers clay materials, glaze chemistry and firing techniques. Special attention is paid to native North Carolina materials. Course fee is $25. Prerequisites: Art 134, 323. *3 Hrs.*

ART 450 Laboratory in Non-Traditional Media

Directed studies in art forms utilizing unconventional media, ranging from kinetics, neon, and multi-track recordings to more sophisticated electronic forms (videotape, synthesized sound, etc.). Class sessions include discussions of critical theory, group critiques, and individual tutorial sessions. Prerequisites: upperclass standing; recommendation of departmental sponsor, or for elective credit, instructor's permission. Can be repeated once for credit. *3 Hrs.*

ART 451 Independent Studio

Advanced independent work in specialized areas of studio art for the mature, academically advanced student. Open to juniors and seniors with a B average in art and the approval of the department. This course may be repeated for a total of six hours of credit. Course fee is $25. *1, 2, 3 Hrs.*

ART 452 Independent Study in Art History

Advanced independent work in specialized areas of art history for the mature, academically advanced student. Open to juniors and seniors with a B average in art and approval of the department. The course may be repeated for a total of six hours of credit. *1, 2, 3 Hrs.*

ART 460 Sources and Concepts

A seminar course, based on discussions of the participant's studio work. Specifically an examination of concepts and sources from two perspectives: (1) from the student's personal development and experience and (2) from related readings in art history, criticism, psychology, philosophy, and other disciplines. Course fee is $25. Prerequisites: Art 215, 216, or permission of the instructor. *3 Hrs.*

ART 498 Senior Critique

Developing and defining an art-critical position. (For studio concentration: assembling portfolio and providing written critical justification of artistic production and aims. For art history concentration: presenting and defending a critical paper.) To be directed by departmental advisor and evaluated by members of the art faculty. Prerequisite: Senior standing. *1 Hr.*

ART 499 Professional Internship

Practical experience under professional supervision outside the college in a variety of areas, such as advertising agencies, art studios, museums, galleries, community art centers, and art workshops. Required of graphic design majors, elective for studio concentration majors. Prerequisite: Junior standing. *1, 2, 3 Hrs.*

Biology

To serve the needs of the liberal arts student the department offers introductory work in biology with a contemporary molecular emphasis relating the field to the physical sciences and other disciplines.

CAREERS Major study in biology provides basic preparation leading to work in research and medical laboratories, government positions, related businesses, teaching, and graduate study in biology, medicine, hospital administration or veterinary science. A program in marine science is offered each summer at Pawleys Island, South Carolina.

TEACHER CERTIFICATION Students majoring in biology may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Catalog* for specific requirements.

BIOLOGY INTERNSHIP Students may gain practical experience in various fields of biological science during their junior or senior year. Details of this program may be obtained from the department chair.

BACHELOR OF ARTS Requirements for the major: Biology 102, 103, 204, 402, 402L, 497, 498, and 20 credit hours from biology courses numbered 200 and above as approved by the major advisor. Students majoring in biology are required to take Chemistry 111 and 112, and Mathematics 121 and 122 or two courses from Mathematics 105, 111, or 206. Chemistry 404 may be substituted for biology electives. Candidates for teaching certificates may substitute up to four credit hours of Education 499C for biology electives. Students majoring in biology are advised to take physics and organic chemistry.

BACHELOR OF SCIENCE Requirements for the major: Biology 102, 103, 204, 402, 402L, 497, 498, and at least two courses from 201, 301, 302, 304, 309; at least one course from 207, 300, 315, 401; and six hours of biology courses numbered 200 and above as approved by the major advisor. Students majoring in this program are required to take Chemistry 111, 112, 303, 304; Physics 101, 102; Mathematics 121 and 122. In addition, successful completion of one course of foreign language at the intermediate level is required, that is, completion of 201 or 202.

MINOR A minor in biology consists of Biology 102, 103, 204, and eight hours of approved biology electives from courses numbered 200 and above.

NATURAL SCIENCE REQUIREMENT The Natural Science requirement is met with Biology 102 or 103.

PREREQUISITE Biology 103 is prerequisite to all courses numbered 200 or above.

BIOL 102 Animal Biology

Survey of the animal kingdom; study of the organization and activities of animals with emphasis on man; and evolution of animal life. Three hours lecture and three hours laboratory a week. Lab fee $25. No prerequisite. *4 Hrs.*

BIOL 103 Principles of Biology

An introduction to the principles underlying the activities of living organisms; cell structure and function; heredity; evolution; ecology; laboratory emphasizes the scientific method. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: High school chemistry or Chemistry 101 or 111. *4 Hrs.*

BIOL 111 Human Anatomy

A study of the structure of the human body. *3 Hrs.*

BIOL 111L Human Anatomy Laboratory

Study of human osteology; dissection of the cat and other animals. Lab Fee $25. (Biology 111 and 111L may not be counted toward major except for students in Music Therapy.) *1 Hr.*

BIOL 112 Human Physiology

A study of the functions of the human body. Laboratory study designed to demonstrate basic physiological principles. Three hours lecture and three hours laboratory a week. Lab fee $25. (May not be counted toward major.) *4 Hrs.*

BIOL 120 Introduction to Medical Microbiology

Principles of microbiology with emphasis on the pathogenic bacteria, viruses, rickettsiae, and fungi. Laboratory includes methods for cultivation, isolation, and identification of the above. Three hours lecture and three hours laboratory a week. Lab fee $25. (May not be counted toward a major.) *4 Hrs.*

BIOL 201 Invertebrate Zoology

Study of the invertebrate phyla; comparative anatomy and physiology, natural history, systematics and evolution. Laboratory includes physiological experiments and emphasizes marine forms. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 102. *4 Hrs.*

BIOL 204 Botany

Morphological survey of algae, fungi, and plants, emphasizing evolutionary adaptation and identification of local flora. Two hours of lecture and four hours of laboratory a week. Prerequisite: Liberal Learning 210. *4 Hrs.*

BIOL 207 Introduction to Microbiology

General survey of microorganisms with emphasis on morphology, metabolism, ecology, and identification of bacteria. Laboratory emphasizes basic skills and sterile techniques. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite or Corequisite : Chemistry 112. *4 Hrs.*

BIOL 230 Field Studies in Biology

Includes studies in selected habitats or of particular groups of animals or plants, or travel-study to unusual habitats or ecosystems. Topics are announced annually. May be repeated with different topics, or by permission. Prerequisite: Permission of the instructor. *1-4 Hrs.*

BIOL 300 Cell Biology

Study of cell structure and physiology. Laboratory emphasizes research methods, including instruments and techniques used in studying cells. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: At least one year of college chemistry; Biology 102 and 204 recommended. *4 Hrs.*

BIOL 301 Vertebrate Embryology

Study of development with emphasis on vertebrates and a brief introduction to experimental embryology. Laboratory emphasizes amphibians and birds. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 102. *4 Hrs.*

BIOL 302 Comparative Vertebrate Anatomy

Review of the evolutionary history of vertebrates with comparative study of their systems. Laboratory dissection of dogfish, mud puppy, and cat. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 102. *4 Hrs.*

BIOL 304 Ecology

Relationship of organisms to their environment; populations and communities; aquatic and terrestrial habitats; statistical methods. Laboratory includes both experimental and field studies. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 102 and 204. *4 Hrs.*

BIOL 309 Marine Biology I

Introduction to oceanography and marine biology emphasizing the ecology, distribution, and classification of marine organisms. Two hours lecture and three hours laboratory a week. Weekend field trip required. Lab Fee $25. Prerequisite or Corequisite: Biology 102. *3 Hrs.*

BIOL 310 Marine Biology II

An intensive study of habitats of the Pawleys Island, South Carolina area; identification of local fauna and flora. This course meets for one week during the summer session at Pawleys Island, South Carolina. Prerequisite: Biology 309. *1 Hr.*

BIOL 315 Histology and Microtechnique

The study of animal cells, tissues, and organs. Laboratory emphasizes practical experience in preparation of microscope slides. Lab fee $25. Prerequisite: Biology 102. *4 Hrs.*

BIOL 380 Research Participation

An introduction to biological research by participation in research with faculty. Students will conduct individual investigations and present the results of their work at the end of the term. Prerequisite: Permission of the instructor. *3 Hrs.*

BIOL 390, 391 Laboratory Assistant in Biology

Practical experience as a laboratory assistant in the department. May be repeated once for credit. Grading is P/NR. Prerequisite: 12 hours of biology with a grade of B or better and permission of the department. *0 Hrs., 1 Hr.*

BIOL 401 Comparative Physiology

Study of the function of vertebrate systems. Comparisons made to invertebrate systems where appropriate. Includes lecture and laboratory experimentation. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 302 or permission of the instructor, one year college chemistry. *4 Hrs.*

BIOL 402 Genetics

Principles of heredity and variation in plants and animals. Does not count toward major without Biology 402L. Three hours lecture a week. Prerequisite: Mathematics 131 or permission of the instructor. *3 Hrs.*

BIOL 402L Genetics Laboratory

Laboratory methods in breeding genetically important species. Three hours laboratory a week. Lab fee $25. Corequisite: Biology 402. *1 Hr.*

BIOL 430 Topics in Biology

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Lecture and laboratory hours vary with the hours credit and the course taught. Prerequisite: One year of college biology. May vary with topic. *1, 2, 3, 4 Hrs.*

BIOL 450 Independent Studies in Biology

Research projects in the area of the student's interest; written report and/or oral examination may be required; summer research in marine biology. May be taken more than once, but total credits may not exceed six hours. Admission by permission of the instructor. *1, 2, 3, 4 Hrs.*

BIOL 460 Biology Seminar

Invited guests, faculty and students present oral reports on topics of their specific interest and experience in biology and related fields. One hour per week lecture, or discussion. May be repeated for credit. Prerequisite: 8 hours of biology above the 100 level or permission of the instructor. *1 Hr.*

BIOL 497 Advanced General Biology I

A restudy and synthesis of structure and function in plants, animals, and microorganisms. Prerequisite: 24 hours in biology courses and permission of the instructor. *2 Hrs.*

BIOL 498 Advanced General Biology II

A restudy and synthesis of basic principles of population genetics, evolution, and ecology. Prerequisites: Biology 497 and permission of the instructor. *2 Hrs.*

BIOL 499 Biology Professional Internship

Practical experience under supervision in the field of biological science. *Prerequisite*: At least 24 credits in biology and permission of the department. 1, 2, 3 Hrs.

Business Administration

The Department of Business Administration offers courses that emphasize the concepts and skills for understanding business practices, organizations, and managerial responsibilities.

The department offers two majors, business administration and accounting, and both majors lead to the Bachelor of Arts (B.A.) degree.

CAREERS A major in business administration prepares the student for understanding the functional areas of business, human relations in organizations, and strategic policy-making issues. There are technical, human relations, and conceptual skills related to entering supervisory, managerial, or professional careers in business, government, or non-profit organizations.

A major in accounting prepares people to enter careers in accounting. Both majors prepare people for graduate-level study in accounting, finance, marketing, management, and related fields.

BUSINESS ADMINISTRATION MAJOR Requirements for the B.A. degree with a major in business administration include: Core Courses: BCIS 110; Business Administration 207, 208, 305, 320, 324, 333, 340, 360, 485; Mathematics 105 and 206; Economics 203 and 204; and six hours of 300-level or 400-level business or economics electives.

BUSINESS ADMINISTRATION MINOR Requirements for the business administration minor include Economics 203 and 204; Business Administration 207, 208, 305, 320, 340, and 360.

ACCOUNTING MAJOR Requirements for the B.A. degree with a major in accounting include: Core Courses: BCIS 110; Business Administration 207, 208, 305, 320, 324, 333, 340, 360, 485; Mathematics 105 and 206; Economics 203 and 204; and Business Administration 307, 308, 311, 313, 315, 316, and 317.

ACCOUNTING MINOR Requirements for the accounting minor include Business Administration 207, 208, 307, 308, 311, and 316.

MARKETING CONCENTRATION Requirements for a concentration in marketing for majors of business administration or accounting include: Business Administration 340, 452, 453; and two courses from Business Administration 351, Business Administration 353 or Communications 341, Business Administration 420, and Business Administration 441.

Students majoring in business administration or accounting must select at least 48 hours from courses outside the Business Department.

Students cannot double major in business administration and accounting.

Students should be advised that several upper-level courses in accounting are offered only in evening sessions.

Liberal Learning 410 may be substituted for Business Administration 320, Business Ethics.

BCIS 110 Fundamentals of Microcomputers

This course introduces the fundamentals of computing processes, including hardware and software. Business application topics include spreadsheet, database, and word processing. Note: Students may not receive credit both for this course and CSCI 105. *3 Hrs.*

BUSN 115 Introduction to Business

An introduction to each of the principal areas of the business curriculum: accounting, finance, management, and marketing, as well as the role of business in American society and the nature of the private enterprise system. *3 Hrs.*

BUSN 207 Financial Accounting I

An introduction to financial accounting principles. Topics to be covered include recording of transactions, preparation of various journals, posting of ledgers, and preparation of income statements and balance sheets. *3 Hrs.*

BUSN 208 Financial Accounting II

An introduction to the theory, methods, and uses of accounting information in solving business problems. Topics include accounting for partnerships, corporations and income taxes. Prerequisite: Business Administration 207. *3 Hrs.*

BUSN 305 Business Law I

An introduction to law with an emphasis on the legal rights and duties of the individual engaged in business. Topics to be covered include contracts, sales, personal property, and bailments. Prerequisite: Sophomore standing. *3 Hrs.*

BUSN 307 Intermediate Accounting I

A study of financial accounting theory along with generally accepted accounting principles. Topics include special problems of presentation in regard to cash, receivables, inventories, plant, and equipment. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 308 Intermediate Accounting II

A continuation of the study of the financial accounting theory along with generally accepted accounting principles. Topics include special problems of presentation in regard to liabilities, leases, pensions, equity, income taxes, earnings per share, and changing prices. Prerequisite: Business Administration 307. *3 Hrs.*

BUSN 311 Cost Accounting

A study of cost accounting systems including problems of cost determination. The course will emphasize the development of techniques for use in managerial decision-making such as standard costs and budgeting. Other topics include cost-benefit analysis, break-even analysis, and capital budgeting. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 313 Auditing

A study of auditing standards as they relate to internal, external, and public-sector auditing. Topics to be covered include auditing theory and ethics, responsibilities and legal liability, audit evidence, audit method, and the audit report. Prerequisite: Business Administration 308. *3 Hrs.*

BUSN 315 Business Law II

A continuation of the study of law as it affects the individual engaged in business. Topics include agency, partnerships, corporations, real property, and government regulation of business. Prerequisite: Business Administration 305. *3 Hrs.*

BUSN 316 Federal Taxation

A comprehensive study of the federal tax system. Topics include income, deductions, credits, and exclusions. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 317 Advanced Accounting

An advanced study of financial accounting theory and application. Topics include external reporting, consolidations, partnerships, governmental accounting, and fiduciary accounting.
Prerequisite: Business Administration 308. *3 Hrs.*

BUSN 320 Business Ethics

Analysis of business policies and practices with respect to their social impact, patterns of governmental regulations; political activities of trade associations and other special-interest groups; the relationship between public policy and the growth of corporate enterprise; and the social responsibilities of business management. *3 Hrs.*

BUSN 322 Management Science and Decision Support Systems

An introduction to practical quantitative techniques that can be successfully applied to management problems. Techniques covered include decision trees, linear programming, inventory models, simulation, and network models. While most of these techniques are available in various computer software packages and the computer will be used to some degree, the emphasis in this course is on developing a basic understanding of the concepts and techniques themselves. Prerequisites: Mathematics 103 or 105 and 206. *3 Hrs.*

BUSN 324 Report Formulation and Presentation

Basic techniques of business research; report preparation and presentation, both written and oral. Emphasis on organization, clarity, brevity, styles, use of visual aids. Prerequisite: Junior standing. *3 Hrs.*

BUSN 328 Information Processing Systems for Management

This course provides students with a basic understanding of information processing systems for management. The primary focus of the course is on the development and administration of information systems and on computer applications, with only a brief overview of hardware, software, peripherals and communications. *3 Hrs.*

BUSN 331 Personnel Administration

A study of the personnel function in the organization. Topics covered include job design, staffing, performance appraisal, training and development, compensation, and collective bargaining. Current topics in the law (OSHA, Fair Employment Regulations, etc.) which affect the personnel function are considered. *3 Hrs.*

BUSN 333 Principles of Management

A basic survey of management theory with emphasis on the functional and task requirements of management, and behavioral considerations. Specific topics include the planning, organizing, and controlling functions of management; contemporary models of organizational design; motivation and performance; and group behavior and influence processes. *3 Hrs.*

BUSN 340 Marketing

A study of the interrelationship between marketing functions and the other primary functions of firms or organizations. An analytical survey is made of the problems of product planning, pricing, promotion, channels of distribution, and legislation affecting marketing activities as related to the satisfaction of individual consumer and societal wants and needs. *3 Hrs.*

BUSN 351 Consumer Behavior

An overall view of some of the basic perspectives of consumer behavior. An interdisciplinary approach will be stressed including the fields of economics, psychology, sociology, and anthropology, as related to marketing. Emphasis is placed on the fundamental processes of motivation, perception, and learning, as well as analysis of individual and group influences as related to the marketing of goods and services. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 353 Promotion Management

A study of the promotion activities of personal selling, advertising, public relations/publicity, and sales promotion as part of overall marketing strategies and budgets. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 360 Corporate Finance

Introduction to basic concepts, principles, and analytical techniques of financial management. Emphasis on planning and managing assets. Topics include formulating financial objectives, short-term financial analysis, financial forecasting and planning, current asset management, elementary capital budgeting and cost of capital, the nature of long-term sources of funds, analysis of risks in financial decisions involving alternative investment options, mergers and acquisitions, problems in valuation, dividend policy, financial leverage, and determination of optimal capital structure. Prerequisites: Business Administration 208; Economics 203 and 204; and Mathematics 206. *3 Hrs.*

BUSN 372 Personal Financial Management

A study of the management of personal and family affairs. Includes income and expenditure planning, credit and borrowing, personal savings, taxes, insurance, social security, investing, and retirement and estate planning. *3 Hrs.*

BUSN 420 International Business

Survey and analysis of similarities and differences in management and business practices in selected countries drawn from diverse parts of the world. Evaluation of socio-economic, political, legal, educational, and cultural factors on managerial decision-making and business practices in specific environments. Some use of case analysis. Prerequisites: Economics 203 and 204; Business Administration 340. *3 Hrs.*

BUSN 421 Organizational Behavior

An examination of the behavioral aspects of organizations within our society. Specific topics include the interrelationships between the individual, informal and formal groups; group formation, cohesiveness, conformity, norms; interpersonal communications; conflict; authority, power and influence; leadership, motivation and performance. Students may elect this course as Psychology 421. *3 Hrs.*

BUSN 432 The Entrepreneurial Enterprise

A study of the characteristics which distinguish an entrepreneurial enterprise from the concepts of the small business and the large firm. Present and past case histories will be used to examine the risks and opportunities facing the entrepreneurial firm. The methods used to determine the feasibility of successfully establishing a company and to develop a business plan for entrepreneurial ventures will be studied. Prerequisites: Business Administration 333, 340, and 360, or permission of the instructor. *3 Hrs.*

BUSN 441 Retail Strategy and Management

An examination of the basic functions, institutions, and activities of retailing goods and services with an emphasis on development and implementation of business strategy and management. Includes evaluation and selection of target markets, design of merchandising plan, as well as financial implications of strategy. *Prerequisite:* Business Administration 340. *3 Hrs.*

BUSN 452 Marketing Management

A study of the marketing strategies used by management under a variety of circumstances and within a variety of business and organizational settings. The case analysis method is utilized. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 453 Marketing Research

An introduction to the research and methods used in the marketing process. Areas given emphasis include sources of market data, sampling surveys, interpretation of data, and the relationship of market research to the policies and functions of a business. Prerequisite: Business Administration 340 and Mathematics 206. *3 Hrs.*

BUSN 470 Principles of Investment

A study of the economic and investment environment as it relates to security investment decisions. Introduction to the concepts and techniques relevant to the formulation of investment objectives, strategies and policies for individual and institutional investors. An elementary treatment of portfolio theory and the capital asset pricing model. Prerequisite: Business Administration 360. *3 Hrs.*

BUSN 472 Seminar in Financial Management

In-depth treatment of advanced problems in managerial finance. Topics include working-capital management, capital budgeting, cost of capital, valuation, dividend policy, and long-term financial management. Extensive use of cases. Prerequisite: Business Administration 360. *3 Hrs.*

BUSN 485 Business Policy

Designed to develop analytical skills in strategy formulation and implementation and an integrated view of business operations. Provides a basic grasp of policy problems in a variety of business and governmental settings through the use of case studies. Prerequisites: Economics 203 and 204; Business Administration 207, 208, 305, 320, 324, 333, 340, 360; or permission of the instructor. *3 Hrs.*

BUSN 492 Current Topics

Course designed to investigate and evaluate current topics or specialized areas of business. Course topic is to be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

BUSN 495 Independent Research/Study

A program of directed readings or a research project. Requires approval of the supervising professor, the division chairman, and the Vice President for Academic Affairs. Open to senior business majors with a 3.000 grade-point average in the major. *1, 2, 3 Hrs.*

BUSN 499 Business Professional Internship

Students are placed with private or governmental organizations where they receive on-the-job work experience. Note: Graded on Pass/Fail basis. Prerequisites: Economics 203 and 204; Business Administration 207 and 208 and twelve hours of business courses at the 300-400 level. *3 Hrs.*

Chemistry

The chemistry program is designed to provide an educational experience with considerable depth in science and mathematics. Students are prepared by this program to go into industry or pursue careers in chemistry and medicine requiring graduate study or formal professional training in medical school. Small class size insures each upper-level student access to lab instruments.

CAREERS Students planning to pursue careers in science and medically related fields should take courses in chemistry. These careers include chemistry, biochemistry, biology, forensic science, medicine, nursing, laboratory technology, medical technology, dental technology, physical therapy and veterinary medicine.

BACHELOR OF SCIENCE IN BIOCHEMISTRY Requirements for the major: Chemistry 111, 112, 303, 304, 306, 307, 308, 403, 404 and the accompanying laboratories; 16 credit hours in biology courses including eight chosen from Biology 207, 300, 402, 402L; Computer Science 131; Mathematics 121, 122; Physics 101 and 102; successful completion of one course of foreign language at the intermediate level; that is, completion of 201 or 202. Chemistry 390, 391, 405, or 499 and Mathematics 221 are recommended. Credit will not be given for both Chemistry 101 and 111, or Chemistry 102 and 112.

MINOR A minor in chemistry requires completion of any three courses in chemistry beyond the 100 level.

A minor in biochemistry requires completion of Chemistry 303, 304, 403 and 404.

NATURAL SCIENCE REQUIREMENT The Natural Science Requirement is met with Chemistry 101 or 111.

LABORATORIES The department requires a student to register for a laboratory with each class course below Chemistry 405.

CHEM 101 General Chemistry I

This course includes the structure of the atom; the structure of the nucleus and nuclear chemistry; the Periodic Table; chemical bonding; solids, liquids and gasses; and stoichiometric relationships, the properties of solutions, colloidal systems, chemical equilibria, and hydrocarbons. Three hours lecture per week. Designed primarily for non-science majors. *3 Hrs.*

CHEM 102 General Chemistry II

This course is an introduction to organic chemistry and biochemistry, including functional groups, reactions, and synthesis. Three hours lecture per week. Primarily for non-science majors. Prerequisite: Chemistry 101 or permission of the instructor. *3 Hrs.*

CHEM 111 Chemistry Principles I

The study of atomic and molecular structures, electro-negativity, the relationships of Periodic Table, covalent, ionic, and metallic bonding, molecular orbitals, enthalpy and entropy. Three hours lecture per week. Designed primarily for science majors. *3 Hrs.*

CHEM 112 Chemistry Principles II

The study of chemical equilibria, reaction rates, free energy, electro-chemistry, acids, bases and pH, and an introduction to carbon chemistry. Three hours lecture a week. Designed primarily for science majors. Prerequisite: Chemistry 111 or its equivalent. *3 Hrs.*

CHEM 303 Organic Chemistry I

Introductory course including an integrated survey of the more important compounds of the aliphatic and aromatic series; emphasis on problems in organic synthesis. Three hours lecture a week. Prerequisite: Chemistry 112 or permission of the instructor. *3 Hrs.*

CHEM 304 Organic Chemistry II

Theoretical course treating the mechanisms of organic reactions in terms of modern structural theories. Three hours lecture a week. Prerequisite: Chemistry 303 or permission of the instructor. *3 Hrs.*

CHEM 306 Instrumental Analysis I

Introduction to instrumentation and instrumental analysis with emphasis on fundamental electronic units, instrument design and construction, and analytical application. Three hours lecture a week. Prerequisite: Chemistry 112 or permission of the instructor. *3 Hrs.*

CHEM 307 Instrumental Analysis II

A second course in instrumental analysis with emphasis on analytical methodology. Three hours lecture a week. Prerequisite: Chemistry 306. *3 Hrs.*

CHEM 308 Physical Chemistry

Study of the structure of gases, the physical properties of matter, the laws of thermodynamics, and the principles of equilibria. Three hours lecture a week. Offered alternate years. Prerequisites: Chemistry 112, Physics 101, Mathematics 121, 122 or permission of the instructor. *3 Hrs.*

CHEM 390, 391 Laboratory Assistant in Chemistry

Practical experience as a laboratory assistant in the department. Chemistry 391 may be repeated once for credit. Grading is P/NR. Prerequisites: 12 hours of chemistry with a grade of B or better and permission of the department. *0 Hrs., 1 Hr.*

CHEM 403 Biochemistry I

Study of protein conformation and function; mechanisms and regulation of enzyme action; generation and storage of metabolic energy. Three hours lecture a week. Prerequisite: Chemistry 304. *3 Hrs.*

CHEM 404 Biochemistry II

Study of the metabolism of biomolecules: biosynthesis of macromolecules; storage, transmission, and expression of genetic information. Prerequisite: Chemistry 403, Biology 300, or permission of the instructor. *3 Hrs.*

CHEM 430 Topics in Chemistry

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Prerequisite: One year of college chemistry. May vary with topic. *1, 2, 3, 4 Hrs.*

CHEM 450 Directed Individual Studies

Individual research conducted by the student. Three, six, or nine hours of consultation and laboratory work a week. Prerequisite: Open to advanced students by permission of the instructor. *2, 3, 4 Hrs.*

CHEM 499 Chemistry Professional Internship

Practical experience in the field of chemistry or biochemistry. Prerequisites: 20 hours in chemistry courses and permission of the department. *1, 2, 3 Hrs.*

Chemistry Laboratories

CHEM 101L Introduction I

This laboratory introduces the student to elementary glass-working, general laboratory equipment and techniques, the principles of quantitative operations, and qualitative analysis. Three hours laboratory a week. Lab fee $25. *1 Hr.*

CHEM 102L Introduction II

The student in this laboratory is introduced to semi-micro techniques, chromatography, and elementary organic and biochemical techniques. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 101L, or permission of the department. *1 Hr.*

CHEM 111L Introduction III

This laboratory introduces students to general laboratory equipment and techniques and the principles of gravimetric analysis. Lab fee $25. *1 Hr.*

CHEM 112L Introduction IV

This laboratory introduces buffers, colligative properties, semi-micro techniques, and volumetric and qualitative analysis. Lab fee $25. *1 Hr.*

CHEM 303L Synthesis I

This course introduces the student to the basic experimental techniques of chemical synthesis of organic compounds. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 112L. *1 Hr.*

CHEM 304L Synthesis II

A continuation of Laboratory 303L, and the introduction of the student to organic qualitative analysis. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 303L. *1 Hr.*

CHEM 306L Instrumentation I

The student is introduced to the practical aspects of instrument design and construction and to the calculations and techniques of quantitative analysis. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 112L or permission of the instructor. *1 Hr.*

CHEM 307L Instrumentation II

The student undertakes the practical evaluation of experimental methods and instruments best suited for specific advanced analytical problems. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 306L. *1 Hr.*

CHEM 308L Physical Chemistry

The student is introduced to the basic devices for precise physical and chemical measurements. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 307L or permission of the instructor. *1 Hr.*

CHEM 403L Biochemistry I

Basic principles and techniques of biochemistry laboratory investigation introduced; work is quantitative in nature. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 304L or permission of the instructor. *1 Hr.*

CHEM 404L Biochemistry II

This course is a continuation of Laboratory 403L with special emphasis given to advanced biochemical methodology and to quantitative measurement. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 403L. *1 Hr.*

Communications

Students in communications should strive for excellence in writing. The communications major challenges the student to achieve the first goal for success in this field (the goal which most employers stress above any other): the ability to write effectively and correctly. Further, the courses analyze the complex interaction of the mass media and society as they reveal the exciting career opportunities open to the student in the rapidly expanding field of communications.

Students work closely with their advisors in planning the total program. Through careful selection, they can structure an introductory emphasis in one of the main fields of communications. This emphasis must include at least one internship, which is of major importance to the program. Queens students engage in internships in television, radio, public relations, advertising, journalism, publishing and corporate communications. As one of the most rapidly expanding centers of communications in the southeast, Charlotte offers many opportunities to the student.

MAJOR The communications major consists of a CORE of 29 hours, as follows: Communications 110, 200, 204, 207, 415, 499; English 301, 302, 330; and 2 hours from Communications 212 or 213; and a CONCENTRATION of 12 hours in

Journalism: Communications 304, 306; one course from Communications 103, 231, 232; and one course from History 202, 204, Political Science, 201, 202, 206, 250.

OR

Corporate: Business 324, 340; Communications 341, 342. Majors must work on one of the two college publications (the newspaper or the year book) for at least two semesters. Up to 3 hours of credit in these practica may count as credit toward the major. The student may earn no more than six additional hours of credit working on college publications.

MINOR The communications minor consists of a total of 20 hours, as follows: Communications 110, 204, 207, one course at the 300 level; Communications 499; and two semesters (2 credit hours) in Communications 212 or 213. For the student who is not an English major, English 201 is also required.

COMM 103 Voice and Diction

An analysis of each student's voice, articulation, and pronunciation with the aim of identifying and correcting non-standard speech habits. Through use of the International Phonetic Alphabet and language laboratory equipment, concentration will be centered upon the perfection of vowels, diphthong, and consonant sounds. Directed exercises will give the students practice in the improvement of voice and diction. Dialectical problems are analyzed and corrected. Note: Students may elect this course as Dramatic Art and Speech 103. *3 Hrs.*

COMM 110 Introduction to Mass Communications

An introduction to the major fields of communications (television, radio, film, newspapers, magazines, advertising, and public relations) and to the importance of communications in modern American society. Some attention will be paid to the history of the media and to the laws, pressure groups, and regulatory agencies which influence them. *3 Hrs.*

COMM 200 Public Speaking

This course will develop students' ability to prepare and deliver an effective speech in a variety of formats. Rhetoric, logic, diction, body language and other necessities of speaking in public will be addressed. There will be ample opportunity for students to deliver speeches and critique each others' performances. *3 Hrs.*

COMM 204 Introduction to News Writing and Editing

Students of newspaper methods and the techniques of news writing, with some emphasis on elementary problems of editing and make-up. Prerequisites: Communications 110 and English 110 and 120, or permission of the department. *3 Hrs.*

COMM 207 Non-Fiction Writing

Expository writing based upon topics and readings to be assigned by the instructor. The student will be expected to write knowledgeable expository prose based upon thought, reading, and research. Prerequisites: English 110 and 120, or permission of the department. Students may elect this course as English 207. *3 Hrs.*

COMM 209 Techniques of Communications Production

The course includes electronic news gathering theory and electronic field production theory with some hands-on experience in production. Introduction to the applications of video in advertising and public relations, including techniques of production and editing video, audio, and film. Introduction to multi-image presentations, including some script writing. Basic operation and maintenance will be stressed. Prerequisites: Communications 110 and 204. *3 Hrs.*

COMM 212 Practicum in Communications, *Areté*

Practical work in producing the college yearbook, *Areté*. Open to all students. Grading is Pass/Fail. *1 Hr.*

COMM 213 Practicum in Communications, *The Current*

Practical work in producing the student newspaper, *The Current*; includes weekly journalism laboratory with instructor. Grading is Pass/Fail. *1 Hr.*

COMM 231 History of Film

Introduction and historical analysis of the development of cinema from the silent era to the contemporary avant garde: includes survey of technological developments, evolution of popular genres, and the achievements of significant directors and their landmark films. Note: Students may elect this course as Dramatic Art and Speech 231. *3 Hrs.*

COMM 232 Film Criticism

Introduction to film theory and the study of film as an art form, with detailed discussion of individual films for technical and aesthetic achievement. Students will analyze the work of prominent film critics and put theory to practice in their own critical reviews of films screened in class. Prerequisites: Communications 110 and English 120, or permission of the department. Note: Students may elect this course as Dramatic Art and Speech 232. *3 Hrs.*

COMM 304 Advanced Writing for the Media

Advanced study of the techniques of writing for the media, with emphasis on the development of specialized skills and research techniques. Prerequisites: Communications 204 and 307. *3 Hrs.*

COMM 306 Introduction to Creative Writing

Study of principles of creative writing, with special attention to the various forms. The course will include study of principles of writing, with special attention to observation and reflection, form and meaning, modern usage and effective expression. Note: Students may elect this course as English 306. *3 Hrs.*

COMM 308 Creative Writing

Practice in writing and in criticism of the essay, short story, and poem in view of a final piece of sustained, related work, for students with interest in and aptitude for composition. Prerequisite: Communications 306. Note: Students may elect this course as English 308. *3 Hrs.*

COMM 310 Television Production

The student will learn the essentials of television studio production, including scripting, staging, lighting, set design, storyboard preparation, etc.; will study the various roles involved in television production, such as director, writer, editor, and lighting engineer; and will gain hands-on experience in work on a production. Prerequisites: Communications 110, 209, or permission of the department. *3 Hrs.*

COMM 341 Advertising

An introduction to the concepts, methods and materials of advertising, this course will explore the techniques of preparing a finished campaign from the research stage through market analysis to lay out, design, and final presentation to a prospective client. The course will employ a case approach. A final project is required. *3 Hrs.*

COMM 342 Public Relations

An introduction to public relations strategies for businesses and other organizations who must communicate with the public. The course will explore the media, methods, and ethics of how an institution interacts with a variety of audiences. *3 Hrs.*

COMM 350 Independent Study in Communications

This course involves an independent investigation of a period in the history of mass communications or of the influence of mass media on contemporary culture or of a topic related to other particular facets of the study of mass communications: for example, journalism, television, radio, magazines, advertising, or some aspect of American popular culture. Open to junior and senior majors with a 3.000 average in communications. Prerequisites: Communications 110, 204, and permission of the department. *3 Hrs.*

COMM 360 Topics in Communications

Intensive consideration of a single topic in communications. The topics for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of the general movement. Open to majors and to others with the permission of the department. May be taken twice with different subtitles. *3 Hrs.*

COMM 361 Topics in Journalism

Intensive consideration of a single topic in journalism. The topic for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of the general movement. *3 Hrs.*

COMM 415 Media Ethics

Analysis of media policies and practices with respect to their social impact: governmental regulations of the media; libel laws; pressure groups and their influence; the social responsibilities of media management; other ethical issues confronting persons in communications. Required of all senior majors. *3 Hrs.*

COMM 499 **Communications Professional Internship**

This course involves a period of work-study in some aspect of communications—a radio or television station, a newspaper office, an advertising agency, the editorial office of a magazine—as circumstances dictate. Each student will be evaluated by the supervising agency and will write a personal evaluation of the work experience. May be taken for up to nine hours of credit. Open to junior and senior majors only. Prerequisites: Communications 110, 204, 207, and permission of the department. *1, 2, 3 Hrs.*

Computer Science

BACHELOR OF ARTS Requirements for the mathematics major with a concentration in computer science: Mathematics 121, 122, 209, 221, 303, 401, 405; one course from Mathematics 402, 406, 409; Computer Science 131, 132, 231, 325, 355, 370; and three additional hours taken from courses at the 400 level. Physics 101 and 102 are strongly recommended.

CSCI 105 **Computer Applications for the Liberal Arts**

A survival course in how to utilize the current computing facilities at Queens. Use of systems software, word processing, spreadsheets and data base management system. Note: Students may not receive credit for both this course and BCIS 110. *3 Hrs.*

CSCI 131 **Computer Science I**

Problem-solving processes, algorithmic design, structured programming in a procedural language, debugging, and testing techniques; Pascal is the current implementation language used; Prerequisite: Placement into category A or B on the Mathematics Proficiency Test or permission of the instructor. *3 Hrs.*

CSCI 132 **Computer Science II**

A continuation of CSCI 131. Rigorous development of algorithms and computer programs; elementary data structures like stacks, queues, and linked lists; recursive procedures plus elementary searching and sorting techniques. Prerequisite: Computer Science 131. *3 Hrs.*

CSCI 231 **Data Structure and Algorithm Analysis**

Theory of and advanced techniques for representation of information; review of stacks, queues, and linked lists; trees and graphs; analysis of algorithms; hashing techniques; and advanced techniques for searching and sorting. Prerequisite: Computer Science 132. *3 Hrs.*

CSCI 325 **Computer Organization and Assembly Language**

Organization of computers based on microcomputer environment—basic components and addressing techniques; assembly language programming; assembling, linking, running, and debugging programs; macros. Prerequisite: Computer Science 132. *3 Hrs.*

CSCI 355 Computer Architecture

Classification of computer architectures; data description; instruction-set architecture; buses, the CPU, and the I/O system; memory-system architecture; a study of the IBM PC architecture; and parallel processors. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 370 Operating Systems

Basic concepts and terminology of operating systems; process management; storage management; files and protection; case studies; and a detailed study of DOS. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 431 Database Management Systems

Database organization; design and use of database management systems; data independence; database models: relational, inverted list, hierarchical, and network; data description languages for relational models; a mathematical study of relational models; and a major project to design database related software. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 432 Languages' Structure and Compilers

Structure of algorithms; control structures and data flow; language definition structure; lexical analysis and parsing; string manipulation languages; elements of compiler design; and a major project to design compiler related software. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 450 Independent Studies in Computer Science

Research projects in the area of the student's interest; written report will be required. May be taken more than once but total credits may not exceed four hours. Prerequisite: Open to advanced students by permission of the instructor. *1, 2, 3, 4 Hrs.*

CSCI 470 Topics in Computer Science

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Prerequisite: One year of college computer science. May vary with topic. Lecture and laboratory hours vary with the hours credit and the course taught. Courses on Artificial Intelligence and Robotics, Computer Graphics, and Programming in C, LISP, or PROLOG are some examples of courses that may be offered under the title "Topics in Computer Science." *1, 2, 3, 4 Hrs.*

CSCI 499 Computer Science Professional Internship

Practical experience under supervision in the field of computer science. Prerequisites: At least 12 hours in computer science and permission of the department. *1, 2, 3 Hrs.*

Dramatic Art and Speech

MAJOR IN ENGLISH/DRAMA Students may major in English/Drama. Such a major provides the opportunity for concentrated work in dramatic literature and theatrical production. Electives may be chosen from the related fields of literature, dance, and music. This major will introduce the student to all phases of theatrical and dramatic theory and practice.

Requirements for the major: English 313; Dramatic Art 220, 250, 303, 304, 317 (minimum twice or 317 once and 318 once), 352, 451; 12 additional hours to be selected from Dramatic Art 327 (Modern Drama), 320 (Stage Design Studio), 336 (Tragedy), 337 (Comedy), 350 (Advanced Acting), 231 (Film History), 232 (Film Criticism), 450 (Directed Study), 499 (internship with off-campus theatre company or other practical project selected in consultation with advisor). Total requirement minimum 35 hours.

MINOR Students other than English majors are offered the option of declaring a minor in English/Drama. Twenty-one hours are required: English 201, Dramatic Art and Speech 317, plus nine hours from the following: Dramatic Art and Speech 103, 250, 303, 304, 315, and 352; plus six additional hours from English 313, Dramatic Art and Speech 231, 232, 336, 337, 350, 450.

DRAM 103 Voice and Diction

An analysis of each student's voice, articulation, and pronunciation with the aim of identifying and correcting non-standard speech habits. Through use of the International Phonetic Alphabet and language laboratory equipment, concentration will be centered upon the perfection of vowels, diphthong, and consonant sounds. Directed exercises will give the students practice in the improvement of voice and diction. Dialectical problems are analyzed and corrected. Note: Students may elect this course as Communications 103. *3 Hrs.*

DRAM 220 Theatrical Production Techniques

Introduction to the technical and business elements of theatrical production—scenery, lighting, costumes, sound, public relations, box office, etc. This course examines these elements both individually and collectively as integral parts of a production, and looks at how they tie into and must conform with the non-technical (acting/directing) elements. Also an examination of various types of theatre spaces (proscenium, thrust, arena) and how the configurations of these spaces affect the nature of technical elements. Students will complete individual projects as a part of this course. *3 Hrs.*

DRAM 231 History of Film

Introduction and historical analysis of the development of cinema from the silent era to the contemporary avant garde; includes survey of technological developments, the evolution of popular genres, and the achievements of significant directors and their landmark films. Note: Students may elect this course as Communications 231. *3 Hrs.*

DRAM 232 Film Criticism

Introduction to film theory and the study of film as an art form, with detailed discussion of individual films for technical and aesthetic achievement. Students will analyze the work of prominent film critics and put theory to practice in their own critical reviews of films screened in class. Prerequisites: Communications 110 and English 120, or permission of the department. Note: Students may elect this course as Communications 232. *3 Hrs.*

DRAM 250 Beginning Acting

Introduction to the basic principles of theatrical presentation from the viewpoint of the actor; relating to self, environment, and other actors by way of exercises in relaxation, pantomime, improvisations, and group work in selected scenes from plays. *3 Hrs.*

DRAM 303 Major Figures in World Drama: Ancient Greece to the Renaissance

Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as English 303. *3 Hrs.*

DRAM 304 Major Figures in World Drama: Renaissance to Modern

Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as English 304. *3 Hrs.*

DRAM 317 Practicum in Play Production

Opportunity for practical application of principles of set construction, lighting, costumes, makeup, publicity, or acting in the production of a play for round or proscenium stage. *1, 2, 3 Hrs.*

DRAM 318 Acting Practicum

Admission by audition. Those students who are cast in a Queens College theatre production will be (or may be) registered for this course. Credit through this course is valuable for all students cast in a production, regardless of major. Students cast in productions are not compelled to receive academic credit. *1, 2, 3 Hrs.*

DRAM 320 Stage Design Studio

An overview with practical application of the theatrical design process. All aspects of stage design will be covered with emphasis placed on scenery and lighting design. Students work on individual projects, producing at least one full design for a play as well as a final design project. The student in this course will learn techniques of drafting for the stage, perspective drawing, rendering, color theory, and standard concepts of scenery construction. The use of stage lighting will be examined in tandem with set design. *3 Hrs.*

DRAM 327 Modern Drama

Study of world drama from the realism of Ibsen through naturalism, expressionism, and symbolism to the current avant-garde theatre. Note: Students may elect this course as English 327. *3 Hrs.*

DRAM 336 Tragedy

Exploration of various possibilities of defining tragedy: in terms of the protagonist, a plot, an effect upon the audience, an attitude towards life, or others. Note: Students may elect this course as English 336. *3 Hrs.*

DRAM 337 Comedy

This course examines the nature of comedy as a literary form from low farce to sophisticated high comedy in prose fiction, film, and drama. Beginning with classic examples from Aristophanes, Shakespeare and Moliere, the course will focus finally on the contributions of such modern writers as Shaw, Neil Simon and Woody Allen. Attention will center upon comedy's manipulation of language, character, plot, and traditional "lazzi" to accomplish its special cathartic purpose of keeping humanity close to sanity and balance. Note: Students may elect this course as English 337. *3 Hrs.*

DRAM 350 Advanced Acting

Concentration of perfection of acting technique through an exploration of improvisational techniques, voice and movement, ensemble methods, and motivational analysis in relation to specific characters within a given play. Prerequisite: Dramatic Art 250. This course may be repeated for credit up to six hours. *3 Hrs.*

DRAM 352 Directing for the Theatre

Introduction to the basic principles of theatrical production from the viewpoint of the director; exploration of composition, picturization, movement, rhythm, and pantomime dramatization in the direction of a one-act play. Prerequisites: Dramatic Art 250 and 317. *3 Hrs.*

DRAM 450 Directed Studies in Drama, Theatre and Speech

Independent investigation of an area in dramatic literature, theatre, or speech. Open to junior and senior majors with a 3.000 average in English/Drama. *2, 3, 4 Hrs.*

DRAM 451 Senior Project

Independent Study/Project for the senior drama major. The student will choose an area of particular interest (design, acting, directing, playwriting, dramatic literature, etc.) within the field of drama/theatre and will complete a project/research paper in that area. Projects may be connected to Queens College theatre productions or may be hypothetical (i.e., not actually produced on stage). This course is a culmination of work done throughout the student's academic career. *3 Hrs.*

DRAM 499 Professional Internship in Drama

Practical experience in application of dramatic skills to off-campus theatre or to the media or to some other project selected in consultation with the advisor. May be repeated for not more than six hours. Only three hours credit applicable to English/Drama major. Open primarily to junior and senior majors. *1, 2, 3 Hrs.*

Economics

Courses offered in the Department of Economics provide for the study of the principles underlying economic systems at the national and international levels and governing the operations of market economies at the level of the household and the firm.

MINOR Requirements for a minor: 18 credit hours in economics, including Economics 203 and 204, 345 and 350, and six credit hours selected from other economics courses at the 300 level or above.

ECON 101 Introduction to Economics

An introduction to selected contemporary economic problems and the economist's techniques for coping with them. *3 Hrs.*

ECON 203 Principles of Macroeconomics

Introductory survey of aggregate economic principles; the scope and method of economics; business organizations; money and prices; national income theory; economic stabilization policies; and international trade. *3 Hrs.*

ECON 204 Principles of Microeconomics

Survey of economic principles dealing with specific components of the economy and their application to economic problems; basic demand and supply theory; the theory of production and income distribution; agriculture, government regulation, and labor organizations. *3 Hrs.*

ECON 300 Current Topics or Specialized Areas in Economics

Courses designed to investigate and evaluate current topics or specialized areas of economics. Course topics are announced the term preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

ECON 345 Intermediate Microeconomic Theory

The study of resource allocation in the determination of optimum output and pricing by a firm. Emphasis includes utility and production functions and the application of microeconomic theory given various market conditions. Prerequisites: Economics 203 and 204; Mathematics 131. *3 Hrs.*

ECON 350 Intermediate Macroeconomic Theory

The study of the measurement and composition of the Gross National Product, the factors determining its size and growth, and the policy measures by which government can influence its size, composition, and development. Prerequisites: Economics 203 and 204; Mathematics 131. *3 Hrs.*

ECON 351 Money and Credit

Study of the fundamental principles and practices of the money and credit systems of the United States; financial institutions, commercial banking, the Federal Reserve System, monetary theories and policy. Prerequisites: Economics 203, 204; Business 207, 208. *3 Hrs.*

ECON 420 History of Economic Thought

The study of the development of economic thinking from the Renaissance to modern times, with attention to the historical background against which major economic thinkers worked and the impact of their ideas on public policy. Prerequisites: Economics 203 and 204. *3 Hrs.*

ECON 449 Directed Individual Study

A program of directed readings, independent study of an approved program, or an approved project formulated by the student and approved by the department. Open to seniors with a 3.000 grade-point average. *1, 2, 3 Hrs.*

ECON 454 International Trade

A study of international payments, international economic theory, contemporary economic nationalism, international investment and currency problems, and the commercial policies of foreign countries. Prerequisites: Economics 203 and 204. *3 Hrs.*

Education

North Carolina Class "A" teacher certification is possible through programs in elementary (grades K-6); special subject (grades K-12) in French and Spanish; and secondary subject areas (grades 9-12) in English, mathematics, biology, history, and social studies. All programs are approved by the North Carolina State Board of Education, making possible reciprocity in certification with over 30 states.

Teacher certification may be obtained as a part of the student's four-year program, and the education of teachers is the joint responsibility of the academic departments and the Department of Education.

Department objectives state that the education of teachers is threefold: they are liberally educated, they pursue in depth their teaching specialties, and they acquire the necessary professional knowledge and skills needed in teaching.

The Education Department offers a major in elementary education with kindergarten-grade 6 certification.

Students desiring secondary or K-12 certification major in the content area in which they are seeking certification and take the additional courses for certification requirements as electives.

Students should apply to the Education Department for admission to the Teacher Certification Programs during Term II of their sophomore year. To be accepted into the program a student must have positive recommendations by three Queens' faculty members, an overall grade-point average of 2.500 at the completion of four semesters of course work, satisfactory scores on Core Batteries I and II of the National Teacher Examination, and approval of the Teacher Education Committee.

Students may not take more than 50 percent of their professional education courses before being officially admitted to the Teacher Education Program.

Students must apply for student teaching during Term I of their senior year. Minimum criteria for admission to student teaching are: a 2.75 grade-point average, recommendation by the major department, approval of the Education Department, and approval of the Teacher Education Committee.

Prior to completion of the program, students must take the last two sections of the national Teacher Examinations: Professional Knowledge and Specialty Area. Complete information and application forms for the National Teacher Examination may be obtained from the Education Department.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as special students. They should consult with the Director of Admissions regarding admission and are expected to complete a minimum of 12 credit hours successfully at Queens prior to student teaching.

REQUIREMENTS Certification requires the achievement of competencies in areas designated by the State and National (NCATE) accrediting agencies: general education, professional education, and teaching specialty.

General Education Liberal Arts Requirements (for all levels of certification)

Course No.	Hrs.
Liberal Learning 110	5
English 110	3
Liberal Learning 120	5
English 120	3
Mathematics 105 (or above)	3
Physical Education Courses	2
Psychology 201	3
One Science Course with lab	3 or 4
Liberal Learning 210	5
Liberal Learning 220	5
Liberal Learning 310	3

Psychology 320	3
Liberal Learning 410	3

Professional Education Requirements (K-6)

Course No.	Title	Hrs.	Term Offered
EDUC 221	Introduction to Teaching	3	I
EDUC 225	Curriculum & Instruction for Elementary Schools	3	II
EDUC 270	Computers in Education	3	II
EDUC 305	Literature for Children	3	I
EDUC 310	Educational Psychology	3	I
EDUC 380	Health & Physical Education Methods	3	*I
EDUC 385	Music & Art Methods	3	**I
EDUC 401	Teaching of Reading and Other Language Arts	3	II
EDUC 402	Diagnostic & Corrective Techniques in Reading	3	I
EDUC 404	Mathematics Methods & Materials in Elementary Schools	3	I
EDUC 411	Social Studies Methods & Materials in Elementary Schools	3	I
EDUC 412	Science Methods & Materials in Elementary Schools	3	I
EDUC 415	Integration of Elementary School Mathematics and Science	3	I

* *even years only*
** *odd years only*

Professional Education Requirements (K-12 Foreign Language, French or Spanish)

Course No.	Title	Hrs.	Term Offered
EDUC 221	Introduction to Teaching	3	I
EDUC 270	Computers in Education	3	II
EDUC 299	Exploratory Internship	2	*
EDUC 310	Educational Psychology	3	I
EDUC 345	Content Area Reading	3	I
FREN 442 or SPAN 442	Methods and Materials for Foreign Language Teaching	3	I

* Students should complete the Exploratory Internship at the opposite grade level from their student teaching level.

Professional Education Requirements (9-12):

Course No.	Title	Hrs.	Term Offered
EDUC 221	Introduction to Teaching	3	I
EDUC 270	Computers in Education	3	II
EDUC 310	Educational Psychology	3	I
EDUC 345	Content Area Reading (all except mathematics)	3	I
EDUC 436	Secondary Methods & Materials	4	I

Teaching-block Professional Semester Requirements (K-6)

Course No.	Title	Hrs.	Term Offered
EDUC 499A	Professional Internship: Elementary Student Teaching	12	II
EDUC 451	Post-Practicum Seminar in Elementary Education	3	II

Teaching-block Professional Semester Requirements (Foreign Language: French or Spanish K-12)

Course No.	Title	Hrs.	Term Offered
EDUC 499D	Professional Internship: Foreign Language	12	II
EDUC 451	Post-Practicum Seminar in Elementary Education	3	I
or			
EDUC 452	Post-Practicum Seminar in Secondary Education	3	II

Teaching-block Professional Semester Requirements (9-12)

Course No.	Title	Hrs.	Term Offered
EDUC 499C	Professional Internship: Secondary Student Teaching	12	II
EDUC 452	Post-Practicum Seminar in Secondary Education	3	II

Secondary (9-12)

For the secondary teaching certificate, students are required to complete a major in the area in which certification is desired. Special course requirements in the major or additional to the major are noted below.

Biology—Major in biology.

English—Major in English including English 207 and 334 and Dramatic Arts and Speech 231 or 232.

History—Major in history including History 203 and 204 and six credit hours European/world history.

Mathematics—Major in mathematics including Mathematics 304, 402, 406 and 417. Recommended courses: Physics 101 and 102 and Mathematics 203 and 311.

Social Studies—Major in history, including History 203 and 204 and six credit hours in European/world history. Course work must also include 21 credit hours in related social sciences including Political Science 201, Economics 203, Sociology 302 (recommended) or Sociology 203.

Foreign Language (K-12)

French—Major in French.

Spanish—Major in Spanish.

EDUC 221 Introduction to Teaching

Sociological, historical, and philosophical background, purposes, and concepts basic to the development of public education in the United States. Primarily for sophomore level students; required of all students in teacher education. *3 Hrs.*

EDUC 225 Curriculum and Instruction for Elementary Schools

Curricular planning and development skills with emphasis on designing and implementing integrated activities, developing individualized materials, and classroom organization and management. Ten hours field experience. Prerequisite for other methods and materials courses. *3 Hrs.*

EDUC 270 Computers in Education

Students will gain an understanding of the basic concepts of hardware and software and the uses of the computer in instructional programs by identifying, evaluating and selecting effective courseware, identifying and/or developing teaching strategies necessary to integrate courseware into the on-going instructional program, and using the computer for Computer Assisted Instruction and Computer Managed Instruction. *3 Hrs.*

EDUC 299 Exploratory Internship in Education

This internship is to provide students with the opportunity to explore career options through on-site experiences in educational settings. This internship does not count toward the major. *1, 2, 3 Hrs.*

EDUC 300 Educating the Young Child

This course provides a study of curriculum models and instructional strategies which can be utilized in a variety of educational settings for young children, ages three to eight. Students will develop instructional units which illustrate an integrated curriculum design. A field experience is required. *3 Hrs.*

EDUC 305 Literature for Children

Book selection and the integration of knowledge of children and books; includes evaluating types of literature and planning ways of using books with children. This course is designed primarily for education majors. *3 Hrs.*

EDUC 310 Educational Psychology

Study of those principles of psychology which can be applied directly to the classroom; emphasis on psychological testing, behavior deviations, and principles of learning. Prerequisite: Psychology 201. *3 Hrs.*

EDUC 345 Content Area Reading

The importance of reading development in the content fields for the improvement of learning is emphasized. Topics include study skills; selection of appropriate reading materials, both functional and recreational; classroom strategies for facilitating reading comprehension; and vocabulary-building methodologies. Required for secondary teacher certification in all areas except mathematics. *3 Hrs.*

EDUC 352 Topics in Education

Intensive consideration of a problem in education that is not offered on a regular basis in the curriculum. The topics for the course will vary from term to term. Prerequisite: Sophomore status or above. *3 Hrs.*

EDUC 380 Elementary Health and Physical Education Methods

Overview of the aspects of teaching physical and health education: their place in the school program; facilities, equipment, and safety procedures necessary for successful programs; skill progression and types of activities appropriate for elementary age groups; and available health services. *3 Hrs.*

EDUC 385 Elementary Music and Art Methods

Exploration of the aspects of teaching music and art: their place in the school program; materials necessary for successful programs; and both application and appreciation methodologies appropriate for elementary students. *3 Hrs.*

EDUC 401 Teaching of Reading and Other Language Arts

Course includes achievement of competencies in the use of materials and methods of instruction in the teaching of reading and other language arts K-6. Emphasis is placed on the process of reading, the interrelationship and integration of all the communicative arts, and the development of interdisciplinary learning experiences which incorporate the communication process and literature with other curricular areas. Prerequisite for Education 402. *3 Hrs.*

EDUC 402 Diagnostic and Corrective Techniques in Reading

Course is designed to help students contribute more effectively to the total reading program by identifying, interpreting and fulfilling the needs of those experiencing difficulty in reading. Formal and informal diagnostic measures are studied. A school experience of working with students who have reading difficulties is required. *Prerequisite:* Education 401. *3 Hrs.*

EDUC 404 Mathematics Methods and Materials in the Elementary School

This course provides a study of the principles of teaching mathematics in the elementary school (K-6), a study of mathematics ideas and techniques that are developmentally appropriate for the elementary student, and an examination of effective teaching strategies and materials. *3 Hrs.*

EDUC 411 Social Studies Methods and Materials in the Elementary School

Methods course for orientation to teaching strategies and materials for teaching social studies in grades K-6. Emphasis will be placed on developing thinking skills and problem solving The relationship of the social studies to other areas of the K-6 curriculum will be stressed. *3 Hrs.*

EDUC 412 Science Methods and Materials in the Elementary School

Methods course for orientation to teaching strategies and materials for teaching science in grades K-6. Emphasis will be placed on using science content to develop effective science learning experiences. The relationship of science to other areas of the K-6 curriculum will be stressed. *3 Hrs.*

EDUC 415 Integration of Elementary School Mathematics and Science

This course explores the design and methodology for developing integrated science and mathematics curriculum in the elementary school. Emphasis will be placed on Implementing strategies to include inquiry based problem solving, critical thinking, and small group collaborative skills. Prerequisites: Education 404 and 412. *3 Hrs.*

EDUC 436 Secondary Methods and Materials

Study of teaching methods, resources, materials, and strategies as related to general secondary school teaching and specific content area teaching. Prerequisite to student teaching; normally to be taken in Term I of senior year. *4 Hrs.*

EDUC 449 Practicum in Student Teaching

Course is designed for those students with extensive experience or certification in teaching in one area who now desire certification in area of experience or second area certification. Will include directed observation and student teaching in selected schools. Offered on demand. Grading is P/F. Student Teaching Fee: $25. Prerequisite: Permission of the instructor. *3, 4, 5, 6 Hrs.*

EDUC 450 Individual Studies in Education

Programs of study for experienced classroom teachers, following their interests and needs, are planned with the help of the instructor. Persons interested in enrolling in Education 450 must confer with the instructor in person or by letter prior to the beginning of the course so that individual study plans may be formulated. Offered on demand. Prerequisite: Classroom teaching experience and permission of the instructor. *1, 2, 3 Hrs.*

EDUC 451 Post-Practicum Seminar in Elementary Education

This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in elementary education. Grading is P/F. *3 Hrs.*

EDUC 452 Post-Practicum Seminar in Secondary Education

This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in secondary education. Grading is P/F. *3 Hrs.*

EDUC 499A Professional Internship: Elementary

Directed observation and student teaching in selected schools, grades K-6; seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

EDUC 499C Professional Internship: Secondary

Directed observation and student teaching in selected schools, grades 9-12. Seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

EDUC 499D Professional Internship: Foreign Language

Directed observation and student teaching in selected schools, grades K-12. Seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

English

Courses in the department include composition, literature, speech, film, dramatic arts, and communications. Students are encouraged to take courses in all these areas, but courses in speech, film, dramatic arts (unless specified), and communications do not count towards a regular major in English. Initial courses train the student to perceive and evaluate the form, structure, and inner dynamics of any literary work. Advanced courses focus on specialized areas of relevance and are designed to give the student an awareness of ways in which other disciplines can contribute to a fuller understanding of literature.

CAREERS Study of literature and composition affords preparation for professional schools in law and teaching. In addition, students majoring in this department find their training applicable to editing, newspaper and television journalism, and copywriting for publishers and advertising agencies. When combined with study in communications, economics, and business, careers may be planned for public relations and personnel work. Career opportunities also exist in films, theatre, and many phases of creative writing. Students may also obtain teaching certificates through elective courses. Students interested in drama and theatre may want to consider the program outlined in the section on dramatic art.

TEACHER CERTIFICATION Students majoring in English may earn certification to teach on the secondary level (grades 9-12). Refer to the Education section of the *Catalog* for specific requirements.

MAJOR Students may major in English or in English/Drama. The requirements for the English major are as follows: Core Courses: English 201, 301, 302, 330, 460; plus any two of the following: English 309, 313, 318; plus any three of the following: English 322, 325, 326, 327, 328, 350, at least one of which must be in American literature; plus any two upper-level English courses, for a total of 36 hours.

The following courses in Dramatic Art will be accepted toward the English major: 303, 304, 327, 336. Major advisors will consult with students in career and graduate school preparation, and in planning tailored programs in communications, journalism, teaching, and drama. Advanced placement will allow exemption from 201. Outstanding majors will be invited by the department to participate in a program of special study which, if successfully completed, will result in graduation with Honors in English.

MINOR Non-English majors may follow a program leading to a minor in English, or in English/Drama, or in Communications. English majors may follow a program leading to a minor in Communications, if they so desire. The requirements for the minor in English are as follows: English 201, 301, and 302 are required. English 460 is recommended as part of the remaining 12 hours, nine of which must be at the 300 level or above.

PREREQUISITES English 110, 120, and 201 are prerequisite to all English courses numbered 300 or above. Special consideration will be given, in certain cases, to non-English majors who desire to take courses numbered 300 or above.

ENGL 099 Basic Composition

Basic Composition is required of students whose standardized test scores or grades in English 110 or 120 indicate that they need help in developing basic writing skills. The course will help students learn the fundamentals of grammar, develop proofreading skills, and write well-structured sentences and paragraphs. Credit for this course may not be used toward graduation. *1 Hr.*

ENGL 110 Composition I

This course develops the student's writing skills and introduces research techniques. Emphasis is on the creation and revision of a variety of writing projects. Writing assignments and discussion topics are coordinated with the materials in Liberal Learning 110. *3 Hrs.*

ENGL 120 Composition II

This course continues to develop the student's writing and research skills in addition to techniques of oral communication. Emphasis is on the production of a research paper. Assignments and discussion topics are coordinated with the materials in Liberal Learning 120. *3 Hrs.*

ENGL 201 Introduction to Literature

This course introduces the student to the study of lyric, dramatic and narrative genres through the classic texts of Greek and Latin literature. Focus will be on Homer, the Greek dramatists, Virgil, Ovid, and the Latin lyrical poets. A major emphasis of the course will be on the classical mythology that informs so much of the literature of the western tradition. Course is prerequisite to all English courses numbered 300 and above, except in certain cases with approval of instructor. *3 Hrs.*

ENGL 202 Women in Literature

Organized around female stereotypes and archetypes, this study of images of women in literature makes use of reading selections from nineteenth- and twentieth-century authors illustrating both positive and negative views of women as wives, mothers, sex objects, seductress-goddesses, spinsters and liberated persons. *3 Hrs.*

ENGL 207 Non-Fiction Writing

Expository writing based upon topics and readings to be assigned by the instructor. The student will be expected to write knowledgeable expository prose based upon thought, reading, and research. Prerequisites: English 110 and 120, or permission of the department. Note: Students may elect this course as Communication 207. *3 Hrs.*

ENGL 301 Literary History of England: to 1660

Historical survey and critical exploration of the major periods, genres, and attitudes of English literature from the Anglo-Saxon period and the Middle Ages through the Renaissance. The works of Chaucer, Shakespeare, and Milton are highlighted. Primarily for sophomores; 301 need not be taken before 302, but both should be taken early in the major as foundations for later courses. *3 Hrs.*

ENGL 302 Literary History of England: 1660 to the Present

Historical survey of the major movements and periods of English literature from the Restoration and Neo-classicism through 19th-century Romanticism and Realism to the Modern period. English 301 and 302 should be taken early in the major as foundations for later courses. *3 Hrs.*

ENGL 303 Major Figures in World Drama: Ancient Greece to the Renaissance

Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as Dramatic Art and Speech 303. *3 Hrs.*

ENGL 304 Major Figures in World Drama: Renaissance to Modern

Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as Dramatic Art and Speech 304. *3 Hrs.*

ENGL 306 Introduction to Creative Writing

Study of principles of creative writing, with special attention to the various forms. The course will include study of principles of writing, with special attention to observation and reflection, form and meaning, modern usage and effective expression. Note: Students may elect this course as Communications 306. *3 Hrs.*

ENGL 308 Creative Writing

Practice in writing and in criticism of the essay, short story, and poem in view of a final piece of sustained, related work, for students with interest in and aptitude for composition. Prerequisite: English 306. Note: Students may elect this course as Communications 308. *3 Hrs.*

ENGL 309 Chaucer and Medieval Literature

Readings in medieval English literature with emphasis on Chaucer's Canterbury Tales. Prerequisite: English 301, or permission of the instructor. *3 Hrs.*

ENGL 313 Shakespeare

Representative comedies, histories, tragedies, and romances with emphasis on Shakespeare's development as a dramatic artist. Prerequisite: English 301, or permission of the instructor. *3 Hrs.*

ENGL 318 The Seventeenth Century

Study of poetry, drama, and prose with emphasis on Jonson, Donne and the Metaphysicals, and Milton. Prerequisite: English 301, or permission of the instructor. *3 Hrs.*

ENGL 322 The Romantics

Representative major poetical works of early and late Romantic authors. Key prose documents in the rise and development of Romanticism will also be examined. *3 Hrs.*

ENGL 325 The Novel

Development of the novel as a literary form using selected works of English fiction from the 18th century to the present. *3 Hrs.*

ENGL 326 Modern British Literature

Examination of modern British literature from the turn of the century to the 1950s. Emphasis on the work of Joyce, Yeats, Shaw, and the Bloomsbury Group. Central themes and technical innovations in twentieth-century poetry, fiction, and drama will be explored. *3 Hrs.*

ENGL 327 Modern Drama

Study of world drama from the realism of Ibsen through naturalism, expressionism, and symbolism to the current avant-garde theatre. Note: Students may elect this course as Dramatic Art and Speech 327. *3 Hrs.*

ENGL 328 Modern American Literature

Critical examination of modern American literature from the turn of the century to the present. Emphasis on Eliot, Frost, Williams, Stevens, Faulkner, Hemingway, Ellison, Malamud, Oates, Cather, and Morrison. *3 Hrs.*

ENGL 330 Survey of American Literature

Provides an overview of the particular properties and the major movements of literature in the United States as seen in the works of selected writers from the colonial period to the present. This course serves as a pre-requisite for all other courses in American Literature offered by the department. Pre-requisite: English 201. *3 Hrs.*

ENGL 333 Southern Literature

Study of growth and development of the literature of the American South. The course will emphasize unique regional qualities of subject, theme, and style. *3 Hrs.*

ENGL 334 Studies in Linguistics

Studies of the main tenets of structural linguistics and transformational grammar with some attention to the relation between linguistic theories and older theories about language. Correlation of traditional grammar skills with modern linguistic theory. *3 Hrs.*

ENGL 335 Women in Literature

An exploration of various images of women and of writers who have created and explored those images. Emphasis on British and American writers or the nineteenth and twentieth centuries. *Prerequisite:* English 201, or permission of instructor. *3 Hrs.*

ENGL 336 Tragedy

Explorations of various possibilities of defining tragedy in terms of the protagonist, a plot, an effect upon the audience, an attitude towards life, or others. Note: Students may elect this course as Dramatic Art and Speech 336. *3 Hrs.*

ENGL 337 Comedy

This course examines the nature of comedy as a literary form from low farce to sophisticated high comedy in prose fiction, film, and drama. Beginning with classic examples from Aristophanes, Shakespeare and Moliere, the course will focus finally on the contributions of such modern writers as Shaw, Neil Simon and Woody Allen. Attention will center upon comedy's manipulation of language, character, plot, and traditional "lazzi" to accomplish its special cathartic purpose of keeping humanity close to sanity and balance. Note: Students may elect this course as Dramatic Art and Speech 337. *3 Hrs.*

ENGL 341 Spanish Literary Classics

Important literary works from various periods chosen for their importance and influence or reflection on world literature. All course work conducted in English. Note: Students may elect this course as Spanish 341. *3 Hrs.*

ENGL 343 French Literary Classics

Consideration of major literary works from various periods chosen for their value as contributions to world literature. All course work conducted in English. Note: Students may elect this course as French 343. *3 Hrs.*

ENGL 350 Contemporary Literature

An examination of authors, genres, and movements prominent on the literary scene since 1950. Topics will vary. May be repeated once with different topic. *3 Hrs.*

ENGL 351 Special Studies in English Literature

Intensive consideration of a single problem in English literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. May be taken twice with different subtitles. *3 Hrs.*

ENGL 352 Special Studies in American Literature

Intensive consideration of a single problem in American literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. May be taken twice with different subtitles. *3 Hrs.*

ENGL 354 Special Studies in World Literature

Intensive consideration of a single problem in world literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. May be taken twice with different subtitles. *3 Hrs.*

ENGL 449 Directed Readings in Composition or Literature

Independent investigation of a topic in composition or literature through a program of directed readings; oral examination conducted by the course supervisor and other members of the department upon invitation. Open to junior and senior majors with a 3.000 average in English. Student must have taken at least six hours of upper-level English courses and have permission of the department. *1, 2, 3 Hrs.*

ENGL 450 Independent Study in Composition or Literature

Independent investigation of a topic in composition or literature resulting in a research paper which is evaluated by two members of the department. Open to junior and senior majors with a 3.000 average in English. Student must have taken at least six hours of upper-level English courses and have permission of the department. *2, 3, 4 Hrs.*

ENGL 460 Studies in Literature and Criticism

Student will read works of literature and interpret them in the light of modern critical theories. Readings will include critical essays and selected works by major authors. Seminar for seniors only. *3 Hrs.*

ENGL 499 Professional Internship in English

Practical experience in application of English skills in business, media, or other selected areas. May be repeated for not more than six hours. Only three hours credit applicable to English major. Open primarily to junior and senior majors. Permission of instructor required. *1, 2, 3 Hrs.*

Environmental Science

NATURAL SCIENCE REQUIREMENT The Natural Science Requirement is met with Environmental Science 101.

ENVR 101 Environmental Science I

A study of the environmental issues confronting our present society. Selected scientific principles are considered to the extent necessary for a basic understanding of environmental problems, and some attention is given to the role of science in the development of and attempted solutions to these problems. The primary focus will be on energy, but a number of other topics will be discussed. Three hours lecture, two hours laboratory a week. *4 Hrs.*

ENVR 102 Environmental Science II

A continuation of the study of the environmental issues confronting our present society. The primary focus will be on air and water pollution, human population and food production. Prerequisite: Environmental Science I or some other college-level natural science course. Two hours lecture, two hours laboratory a week. *3 Hrs.*

French

MAJOR Thirty credit hours of French courses above the 100 level as approved by the major advisor. At least 18 credit hours are to be from courses numbered 300 and above. At least two of the following courses are required: French 317, 331, or 332.

MINOR At least 18 hours of French courses above the 100 level.

POLICY Unless otherwise stated, all 300- and 400-level courses are conducted in French.

PREREQUISITES Prerequisites for courses 300 and above are French 201 and 202 or equivalent, or consent of the instructor.

FREN 101, 102 Elementary French I and II

Introduction to the French language with emphasis on vocabulary and the skills of listening, speaking, reading, and writing. *3 Hrs., 3 Hrs.*

FREN 201 Intermediate French I

Study of the structure of the language; written and oral composition; reading of literary selections. Prerequisite: French 102 or equivalent. *3 Hrs.*

FREN 202 Intermediate French II

Reading of literary selections and materials on civilization with discussion in French on works being read. Intensive work in the oral language. Prerequisite: French 201 or equivalent. *3 Hrs.*

FREN 317 Introduction to French Literature

Development of reading skills through the study of a small number of unabridged texts. *3 Hrs.*

FREN 321 French Conversation

Oral training accompanied by regular practice in the language laboratory. *3 Hrs.*

FREN 322 Advanced French Conversation

Discussion and reports based on articles from newspapers and magazines published in French. Prerequisite: French 321 or consent of instructor. *3 Hrs.*

FREN 331 Survey of French Literature I

The study of major literary movements from the Middle Ages to the Enlightenment. *3 Hrs.*

FREN 332 Survey of French Literature II

The study of major literary movements from the Enlightenment through contemporary literature. *3 Hrs.*

FREN 343 French Literary Classics

Consideration of major literary works from various periods of French literature, chosen for their values as contribution to world literature. Works to be read in the original, papers and tests to be written in French. Note: Students may elect this course as English 343, with all course work conducted in English. *3 Hrs.*

FREN 349 Commercial French

A study of the structure and style of French business letters, routine messages and communications. Emphasis on commercial, banking, and telecommunication terminology. *3 Hrs.*

FREN 351 French Grammar and Translation

A thorough review of French grammar with emphasis on translation. *3 Hrs.*

FREN 361 Phonetics

Study of the sounds of the French language. Practice in reading and speaking with proper rhythm and intonation. *3 Hrs.*

FREN 370 Topics in French Studies

Course designed to address a specific topic or area of French studies. Topic will be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

FREN 372 Elementary Translating

Comparative analysis of translated texts; questions of restructuring texts and adding or subtracting material; style/audience relationship; simple translations from source language to English; sight translation. *3 Hrs.*

FREN 374 Advanced Translating

Study of professional journals in the field of translation; specific problems of source/target language equivalents; expansion of working dictionaries; oral reports on work in progress; translating of substantial text(s) in field of specialization. Texts may be scientific, technical, commercial, scholarly or literary, depending on field of specialization, but in all cases will be works that have not been adequately translated before. *3 Hrs.*

FREN 400 Directed Readings in French

Directed study of a topic requiring the use of French-language sources. Admission by consent of the instructor. *1, 2, 3 Hrs.*

FREN 410 Seventeenth Century French Literature

Study of the literary movements of the seventeenth century. Emphasis on works of Corneille, Moliere, and Racine. Will also include selections from Pascal, La Rochefoucauld, La Fontaine, Mme de Sevigne and others. *3 Hrs.*

FREN 420 Eighteenth Century French Literature

Study of the literary movements of the eighteenth century. Emphasis on the works of Diderot, Voltaire, and Rousseau. *3 Hrs.*

FREN 430 Nineteenth Century French Literature

Study of the literary movements of the nineteenth century. Emphasis on the works of Hugo, Balzac, Flaubert, Zola, and Huysmans. Will also include selected poems of Lamartine, Musset, Vigny, Baudelaire, Rimbaud, and Mallarmé. *3 Hrs.*

FREN 440 Twentieth Century French Literature

Study of the literary movements of the twentieth century. Emphasis on the novel. Will include the study of Gide, Proust, Romains, Mauriac, Camus, Sartre, and Tournier. *3 Hrs.*

FREN 442 Methods and Materials for Foreign Language Teaching

Required for students who wish to teach foreign language at the secondary and/or elementary level. Study of current trends in methodology, resources, materials and strategies applicable to foreign language instruction. *3 Hrs.*

FREN 451 French Grammar and Composition

A systematic review and a more advanced study of the grammatical structure of the language, introduction to evolution of French, oral and written application of principles to increase fluency. *3 Hrs.*

FREN 471 Research

A one-term research program in French preparatory to the senior thesis. Prerequisite: Permission of the Department. *1 Hr.*

FREN 472 Senior Thesis

Study of a topic of special interest to the student. Presentation of the study, written in French, will be made and defended before a review committee. Prerequisite: Permission of the Department. *3, 4 Hrs.*

FREN 499 Professional Internship in French

Supervised experience in a situation where the language must be used. Admission by permission of the instructor. *1, 2, 3 Hrs.*

Geography

GEOG 205 Fundamentals of Geography

Both physical and social aspects of geography treated through study of the earth's surface and man's response to his physical environment with some emphasis on reading and interpreting maps and globes; designed primarily for elementary education certification requirements. *3 Hrs.*

German

GERM 101, 102 Elementary German I and II

Presentation of the basic structure of the language, with emphasis on correct oral and written use of the language. *3 Hrs.*

GERM 201 Intermediate German I

Review of grammar, composition, and conversation, based upon readings on the culture and civilizations of German-speaking countries. Prerequisite: German 102 or permission of the department. *3 Hrs.*

GERM 202 Intermediate German II

Continued study of grammar, composition, and conversation, based upon readings on the culture and civilizations of German-speaking countries. Prerequisite: German 201 or permission of the department. *3 Hrs.*

History

History, drawing upon nearly all fields of knowledge, helps provide a deeper understanding and perspective of the forces which influence individuals and the world around them. It trains one in the skills of research, analysis, and written interpretation.

CAREERS A concentration in history is an excellent general foundation for many occupations, professional careers, and graduate study. It provides opportunities for careers in teaching, policy research in government and business, archives and records management, law and politics, and foreign service. Queens College is a member of the Institute of Applied History.

TEACHER CERTIFICATION Students majoring in history may earn certification to teach on the secondary level (grades 9-12). Refer to the Education section of the *Catalog* for specific requirements.

MAJOR Students may earn a Bachelor of Arts degree with a major in history. Two other majors with concentrations firmly based in the history curriculum are European studies and public history.

Requirements for the history major are as follows: Thirty-three hours in history as follows: History 201, 202, 203, 204, 300; plus six additional courses as follows: one 300-level course in United States history; one 300-level course in European history; one 300-level course from among the following: History 361, 395, 399, 490; and three additional upper-level history courses.

Each student must select nine hours outside the History Department which must be approved by the department and which will serve to broaden and enrich the program of study. Upon declaring a major in history, the student is advised to immediately consult with the department for a review of the student's needs.

Students should consult with faculty advisors to work out a program tailored to individual career objectives.

Students pursuing a concentration in history in American studies or in public history must meet the requirements listed under those majors. Students also may obtain teaching certificates through elective courses.

MINOR Other majors may follow a program leading to a minor in history, in American studies, or in public history. The requirements for the minor in history are: a total of 21 credit hours to include: History 201, 202, 203, 204; one 300-level course in United States history; one 300-level course in European history; one other upper-level history or public history course.

PREREQUISITES Dependent upon the courses and noted in descriptions, History 201, 202, 203 or 204 are required except with permission of the instructor.

HIST 201 Western Civilization to 1650

A survey of the history of civilization from the ancient world to the European crises of the seventeenth century, with emphasis upon the political, social, and intellectual development of Western civilization. *3 Hrs.*

HIST 202 Western Civilization Since 1650

A survey of the history of civilization from the end of the religious wars and the emergence of the great European powers to the crises of the twentieth century and nuclear age, with emphasis generally upon the political, social, and intellectual development of Western civilization. *3 Hrs.*

HIST 203 The United States to 1877

Rise of an American tradition; establishment of a nation; economic and social developments; expansion and sectional controversy, war and reconstruction. *3 Hrs.*

HIST 204 The United States since 1877

Settling the West; the triumph of business; reform movements and foreign affairs; the New Deal era; the Cold War era. *3 Hrs.*

HIST 300 Research Techniques in History/Public History

Course designed for majors and minors to provide training and practice in historical research with emphasis in working with such materials as court records, deeds, wills, and census returns. There will be written and oral presentations of findings. Prerequisite: Junior standing or permission of the instructor. Note: Students may elect this course as Public History 300. *3 Hrs.*

HIST 301 English History to 1688

A survey of English history from the Roman conquest to the Glorious Revolution, with emphasis on the Tudor and Stuart periods. Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 302 English History Since 1688

The age of aristocracy and the first empire; the struggle against revolutionary and Napoleonic France; the era of reform and high tide of imperialism; the democratic age and the storms of war. Prerequisite: History 202 or permission of the instructor. *3 Hrs.*

HIST 307 History of Latin America

A survey of the forces and events which have shaped Latin America experiences from the 16th century to the present. *3 Hrs.*

HIST 315 Oral History

Examination of ways in which cultures were preserved in the past (folklore, folklife, handicrafts, etc.) and the study of and practice in the methodology of gathering and preserving historical information in oral form. Note: Students may elect this course as Public History 315. *3 Hrs.*

HIST 317 History of Russia

A survey of the Russian experience from ninth-century Kievian Russia to the Bolshevik Revolution of 1917. Prerequisite: Sophomore standing. *3 Hrs.*

HIST 318 Soviet History

An investigation of the Soviet experience from 1917 to the present, this course studies the USSR both from a developmental and a thematic approach. Themes investigated include: Soviet foreign policy; Soviet domestic policies and institution; contemporary Soviet culture. Prerequisite: Sophomore standing. *3 Hrs.*

HIST 319 Modern Germany

A survey of German history from 1618 to the present. Begins with the Thirty Years' War, traces the evolution of the several German states, examines the process of unification led by Bismarck, and analyzes the emergence and solution of the "German Problems" in the nineteenth and twentieth centuries. *3 Hrs.*

HIST 321 Nazi Germany

An intensive examination of German National Socialism. This course considers topics such as the origins and nature of Fascism; the Second World War in Europe; and the Holocaust. Prerequisite: History 202 or permission of the instructor. *3 Hrs.*

HIST 322 History of the Far East

A study of the history and culture of India, China, and Japan. Art, architecture, science, philosophy, and religion as well as family life and government, will be looked at as manifestations of a people's culture. Some of the more recent political and economic developments examined will be the role of Gandhi and the Nehrus in India, the Communist revolution and Four Modernizations in China, and the Meiji Restoration and the "Economic Miracle" of Japan. *3 Hrs.*

HIST 325 American Foreign Policy

Major themes in the history of American diplomacy to 1945 with emphasis on their applications, modification, and development in relation to America's increased responsibilities as a world power. Prerequisite: History 203 or 204 or permission of the instructor. Note: Students may elect this course as Political Science 325. *3 Hrs.*

HIST 326 Contemporary American Foreign Policy

Analysis of the role of the United States in contemporary world politics; emphasis upon the nature of the foreign policy-making process and the rationale, content, and impact of contemporary American international actions and policies. Prerequisite: History 204 or permission of the instructor. *3 Hrs.*

HIST 361 Ideas and Values in Conflict in History

A study of decisive intellectual and moral conflicts involving individualism, humanism, obscurantism, fundamentalism, racism, nationalism, totalitarianism, socialism, Nazism, Communism, materialism, and fanaticism. Seminar format. *3 Hrs.*

HIST 376 The Lives and Times of Eminent Victorians

A study concentrating on the political, social, intellectual, and cultural currents and developments in Victorian England. *3 Hrs.*

HIST 386 European Social History

An investigation of European society from the seventeenth century to the present. This course focuses on the social history of the European experience, and examines topics such as witchcraft; gender roles; social classes; economic development; leisure; and "mentalities." Prerequisite: Sophomore standing. *3 Hrs.*

HIST 387 European Political History, 1789 - 1914

An investigation of the conflicts, ideologies, structures, persons and events which have shaped European political life from the French Revolution to the First World War. Topics include the revolutions of 1789 and 1848; the rise of national, feminist, and labor movements; ideological conflicts; and the growth of democratic societies. Prerequisite: History 202 or permission of the instructor. *3 Hrs.*

HIST 388 European Political History, 1914 - present

An investigation of the conflicts, ideologies, structures, persons and events which have shaped European political life from the First World War to the present. Topics include the two world wars, European national, feminist, and labor movements; ideological conflicts; the emergence of the European Community; and the transformation of Central and Eastern Europe. Prerequisite: History 202 or permission of the instructor. *3 Hrs.*

HIST 389 Topics in United States History

Topics are announced annually. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 390 Individuals and Generations

A biographical approach to history through the study of individuals living in different chronological periods. Students will gain a vivid and concrete feel for these historical times and examine the interaction of external forces upon the attitudes and actions of individuals. *3 Hrs.*

HIST 391 Topics in World History

Topics announced annually. Prerequisite: History 201 or 202 or permission of the instructor. *3 Hrs.*

HIST 392 American Women

Derived from primary sources of women themselves, this study examines the central role of women in U.S. history. The study focuses on the period 1830 to the present, with particular attention given to race, region, and class. *3 Hrs.*

HIST 393 Main Currents in Southern History

Emphasis is on the economic, cultural, and intellectual forces that have shaped the thinking and actions of the South. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 394 Black-White Relations in America

A study of the interaction of blacks and whites in the British colonies and United States up to the present. Key periods and issues will be studied to see the problems faced, the responses made, and the consequences and significance of this heritage for both blacks and whites. *3 Hrs.*

HIST 395 Intellectual History of the United States

Study of the intellectual tradition of the nation and the unique synthesis of ideas that has characterized American thought. Through examination of a cross-section of the works of major intellectual figures and explorations of the modes of thought of various generations, the course aims to provide students with deeper insights into the development of the "American" mind. Among topics under consideration are: the Puritan Mind, the American Enlightenment, ideas of the New Republic, the Mind of the South, individualism, pragmatism, conservatism, and reform. Seminar format. Prerequisite: History 203 or 204 and Junior standing. *3 Hrs.*

HIST 396 Urban History: American Cities in the Life of the Nation

Study of growth, development, and changing character of major cities in the United States from colonial days to the present. Emphasis placed on the city's impact on the thought and life of the nation. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 397 The United States: 1920 to 1945

The domestic history of the United States from 1920 to 1945; stress placed on diverse cultural and intellectual developments with special attention to the strain of social change and the subsequent responses of the institutions and movements. Prerequisite: History 204 or permission of the instructor. *3 Hrs.*

HIST 398 The United States: 1945 to the Present

The domestic history of the United States during the post-World War II years; stress is placed on the 1950s and 1960s and the intellectual, cultural, and social ferment from that period to the present. Prerequisite: History 204 or 397 or permission of the instructor. *3 Hrs.*

HIST 399 Forces of Change

A broad examination of various factors that act on individuals and society to produce change in the world. Climate, geography, economics, science and technology, global dynamics, culture, ideas, the individual and the masses, psychology, religion, and philosophy are some of the factors that might be discussed, utilizing readings of Toynbee, Turner, Webb, Rostow, Marx, Mumford, Forrester, Spengler, Tolstoy, James, and others. Seminar format. Prerequisite: Junior standing. *3 Hrs.*

HIST 449 Directed Readings in History

Independent investigation of a topic through a program of directed readings. There will be an interpretive paper and oral examination conducted by department members. Open to majors with a B average in history after departmental approval of the topic. *1, 2, 3 Hrs.*

HIST 450 Independent Study in History

Independent investigation of a topic through the writing of a research paper; oral examination conducted by department members. Open to majors with a B average in history after departmental approval of the topic or project. *1, 2, 3 Hrs.*

HIST 490 The Historical Approach

This senior seminar investigates the methods, assumptions, and philosophies of history by critically examining selected classics of the historical profession. *3 Hrs.*

HIST 499 Professional Internship in History

Designed to enable students to receive training in law and politics, public administration, governmental and foreign service, or other such career opportunities for which history provides a background. Grading is Pass/Fail. Open only to junior and senior majors with the permission of the department. To count toward the history major at least 3 credit hours must be taken. *1, 2, 3 Hrs.*

Interdisciplinary Studies

BUSINESS/FOREIGN LANGUAGE MAJOR Students majoring in this interdisciplinary program will acquire business as well as foreign language skills.

The 33 hours of business administration-related courses required for this major include Computer Science 105 or 131; Mathematics 105 or 111 or 121, and 206; Economics 203 and 204; and Business Administration 207, 208, 305, 333, 340, 360, and 420. The foreign-language component of the major would be French and/or Spanish.

Under the option for one language, the student will select 27 hours of the language above the 100-level.

With the option for two languages, the student will complete fifteen hours of one language and twelve hours of the second language. These classes should all be above the 100-level.

EUROPEAN STUDIES

Major in European Studies The major in European Studies is an interdisciplinary program which offers students a comprehensive knowledge of European civilization and enables graduates to consider business, diplomatic, and other careers in Europe.

The program consists of two parts:

1. A core program of 42 credit hours to be distributed as follows:
    - a. Art: six credit hours, 215, 216;
    - b. English: six credit hours, 301, 302;
    - c. History: six credit hours, 201, 202;
    - d. Political Science: six credit hours selected from 206, 250, 301, 323, 336, 337;
    - e. Foreign Language: six credit hours at the 300-level or above;
    - f. Nine additional credit hours in courses with a European emphasis to be chosen in consultation with the Foreign Studies Advisor;
    - g. Capstone course: three credit hours, European Studies 470 (Senior Seminar).
2. Residency in Europe.

European Residency A student majoring in European Studies must fulfill a residency requirement in Europe consisting of not less than six credit hours.

The Foreign Studies Advisor assists majors in planning a European residency and must approve all proposed residency programs. These should be scheduled during Term II of the junior year, the summer following the junior year, or Term I of the senior year. The Foreign Studies Advisor will consult with the student during the residency and, in consultation with the Registrar and appropriate department heads, will determine the academic credit to be transferred or awarded for the residency when the student returns.

A student may fulfill the European residency requirement by participating in a program such as those offered by the Council on International Educational Exchange, the Experiment in International Living, and the Association of United Colleges for Foreign Exchange and Study; by attending a European educational institution; by enrolling in an American-sponsored academic program which does not isolate United States participants from other students; or electing European Studies 370. Credits earned through these programs and approved by the European Studies Program Committee may be transferred to Queens College. Credits earned in regular academic programs during the European residency may, with the approval of the Foreign Studies Advisor, may be used to satisfy some of the requirements in the core program.

EUST 370 Independent European Residency

The student and the Foreign Studies Advisor may design an independent program of settled residency in Europe for as many as 12 credit hours on a P/NR basis. Credit may be granted for simple domicile with journal at one credit hour per month, or two credit hours per month if the student is employed. This course is open only to majors in European Studies. Any credit earned in this course may be used only to meet the residency requirement and may not be used to meet core requirements. This course may not be taken concurrently with any international program for which credit may transfer to Queens.

EUST 470 Seminar on Europe (Senior Seminar)

An on-campus course required of all students majoring in European Studies; taken during the senior year. Students engage in independent study of a subject approved by the major advisor, participate in group discussions on selected topics, and meet with specialists in various areas of European studies. *3 Hrs.*

HONORS PROGRAM The Queens College Honors Program is designed for the academically talented student to provide as high a degree of freedom and individual challenge as possible.

Each year all students enrolled for a minimum of 12 hours and maintaining a cumulative grade-point average of 3.000 or higher are designated "Eligible for Honors." These students are permitted and encouraged to participate in the Honors Program. Students with grades of Incomplete are ineligible for honors unless granted special permission by the Honors Committee. Transfer students must spend one regular term at Queens before becoming eligible for honors.

Honors Courses All honors courses with the exception of Honors 300 require a written proposal with bibliography, submitted in six copies to the Honors Committee for approval no later than November 20 for Term II or April 20 for Term I and Summer.

In-Course Honors

HONR 199—Open to students in 100-level courses. *1 Hr.*
HONR 299—Open to students in 200-level courses. *1 Hr.*
HONR 399—Open to students in 300-level courses. *1 Hr.*
HONR 499—Open to students in 400-level courses. *1 Hr.*

In-Course Honors is an opportunity for the student to pursue additional work in a course in which he or she is enrolled. The nature of the work is decided upon by the student and the instructor in whose course the work is to be taken. The student's work must consist of special readings; in addition, a written report is ordinarily required. The paper must be submitted in triplicate to the Honors Committee for the student to receive credit. The grade is determined by the instructor. Each of these courses may be repeated for additional credit.

HONR 250 Directed Readings

This course is open to second-semester freshmen, sophomores, juniors, and seniors. Honors 250 provides an opportunity to explore, under supervision of a faculty member, related writings in a field of special interest to the student. No paper is required. An oral examination will be conducted by faculty members previously selected by the Honors Committee. The grade is determined by the faculty examination committee and the supervisor. Honors 250 may be repeated for additional credit. *1, 2, 3 Hrs.*

HONR 300 Honors Colloquium

This course is open to sophomores, juniors, and seniors. It provides an opportunity for discussion, reading, analysis and research on a topic to be announced during the previous term. The grade is determined by the instructor. Honors 300 may be repeated for additional credit. *3 Hrs.*

HONR 350 Directed Study

This course is open to juniors and seniors. Honors 350 is a detailed study of a topic of special interest to the student, resulting in a paper and oral examination. The work is done under the direction of a faculty member with the joint supervision and evaluation of the Honors Committee. The paper must be submitted in triplicate to the Honors Committee. The student will appear before the committee for an oral examination on the paper. The grade is determined by the Honors Committee and the faculty supervisor of the project. Honors 350 may be repeated for additional credit. *1, 2, 3, 4 Hrs.*

HONR 490-491

These courses are open to seniors who have completed five hours of honors work with no more than four hours taken from In-Course Honors. This is an opportunity for extended research in a field of special interest, resulting in a paper and oral defense before an examining committee composed of the Honors Committee and faculty members chosen jointly by the student and the thesis advisor. A detailed proposal of research must be submitted in six copies to the Honors Committee for approval by April 20 of the student's junior year. The student will appear before the committee shortly after submitting this proposal to discuss the project with committee members, if necessary. Final approval of the proposal or suggested changes will be made at this meeting. A grade of P/NR will be assigned for Honors 490 until Honors 491 has been completed. The thesis must be submitted to the committee in triplicate upon completion in Term II. The student will appear before the committee for an oral defense of the thesis. The grade is determined by the Honors Committee, the advisor of the thesis, and the chairperson of the department in which the work is done. The phrase "With Honors Thesis" is printed on the diploma of a student who successfully completes these two courses. *4, 5, 6 Hrs.*

INTERDISCIPLINARY STUDIES

IDST 200 Interdisciplinary Studies

An interdisciplinary course examining a major contemporary issue, offered in response to student and faculty interest. Credit as elective only. *3 Hrs.*

IDST 300 Interdisciplinary Studies

An interdisciplinary course examining a major contemporary issue, offered in response to student and faculty interest. Credit as elective only. *3 Hrs.*

IDST 450 Interdisciplinary Senior Thesis

Designed primarily for students who are engaged in interdisciplinary study at the advanced level. The project is supervised and evaluated by the student's major advisor and at least one person from another department. Open only to seniors. Students pursuing an honors degree should plan to take Honors 490 instead of Interdisciplinary Thesis 450. *3 Hrs.*

International Experience Program Studies

IEPS 210 International Experience Program Study Tour Preparation

Study of the culture, history, politics, geography, economy, society, and language of the area upon which the study tour focuses. Grading is pass/no record. Open only to students enrolled in the appropriate study tour. Prerequisite to participation in the study tour. *Prerequisite:* Junior standing and a 2.000 cumulative grade-point average. *1, 2 Hrs.*

IEPS 220 International Experience Program Study Tour

The opportunity for the student to study and experience a foreign culture through a study tour program arranged by the college and led by Queens faculty. Grading is pass/fail. Prerequisite: International Experience Program Studies 210. *1, 2, 3 Hrs.*

Internships

INTE 299 Exploratory Internship

Exploratory internships are available to students regardless of major. Exploratory internships provide students with the opportunity to explore various career options. The student will observe a professional, may assist in a limited capacity, but does not assume a professional role. Students will be supervised by persons employed in the selected setting and by a faculty member. *1, 2, 3 Hrs.*

Italian

ITAL 101, 102 Elementary Italian I and II

Presentation of the basic structure of the language with emphasis on correct oral and written usage. *3 Hrs.*

ITAL 201, 202 Intermediate Italian I and II

Review and more advanced study of the language with emphasis placed on structure and written and oral use. Introduction to Italian culture and civilization. *3 Hrs., 3 Hrs.*

Language

LANG 101, 102 Elementary Foreign Language I and II

Fundamentals of grammar and phonetics, reading, writing, and conversation. This course will be offered on a rotating topics basis as demand and faculty with sufficient credentials dictate. Languages that may be offered include Latin, Greek, Hebrew, Japanese, Chinese, Portuguese, Arabic, etc. *3 Hrs.*

LANG 201, 202 Intermediate Foreign Language I and II

Review and more advanced study of a language with emphasis placed on structure and written and oral use. Introduction to the country's culture. *3 Hrs., 3 Hrs.*

Liberal Learning

The Foundations of Liberal Learning Program at Queens College consists of a sequence of six courses. Participation in all six courses is required of all full-time candidates for undergraduate degrees in the College of Arts and Sciences.

The aim of Liberal Learning is to encourage a "complex imagination," an intellectual energy which actively strives to connect, inter-relate and integrate human experience. In the Foundations of Liberal Learning Program, both students and teachers consider human experience as a whole, not as a set of isolated segments, and they work to connect experience across disciplines, through past, present and future, and across cultures. In all the Liberal Learning courses, the focus is on active learning, small group work, creative problem-solving, and ethical reflection.

LLRN 110 Liberal Learning

An interdisciplinary exploration of themes and issues central to the human venture. Topics may vary, but will normally include humanity's relationship to nature, the process of individual development, the interaction between individuals and their communities, and the development of human values. Selected case studies will complement these thematic explorations. In Liberal Learning 110, case studies will be taken primarily from the Ancient Near East through the fall of Rome. Class experiences will include lecture, small group work, debate and discussion, practical exercises, and simulations. Liberal Learning 110 will be closely coordinated with the First-Year English Composition Program. Offered each fall term. Prerequisites: none. *5 Hrs.*

LLRN 120 Liberal Learning

This course continues the investigation of problems central to the human experience begun in Liberal Learning 110. Both contemporary and historical case studies will complement the course's thematic explorations. In Liberal Learning 120, the historical case studies will be taken primarily from Western culture from the Middle Ages to the Scientific Revolution. Liberal Learning 120 will be closely coordinated with the First-Year English Composition Program. Offered each spring term. Prerequisite: Liberal Learning 110 or permission of the Director of Liberal Learning. *5 Hrs.*

LLRN 210 Liberal Learning

This course continues the interdisciplinary investigation of selected problems in the human experience. This course will highlight especially the modern world and the work of the social and natural sciences. Themes in this course will include, for example, economic development, the relationship of economy and ecology, inter-cultural relationships, the nature of social and psychological change, and the impact of science and technology on modern life. Case studies will come from the contemporary world, especially the human experience in the nineteenth and twentieth centuries. Offered each fall term. Prerequisite: Liberal Learning 120 or permission of the Director of Liberal Learning. *5 Hrs.*

LLRN 220 Liberal Learning

This course completes the investigation of contemporary issues begun in Liberal Learning 210. Offered each spring term. Prerequisite: Liberal Learning 210 or permission of the Director of Liberal Learning. *5 Hrs.*

LLRN 310 Liberal Learning

An intensive investigation of selected topics in the human enterprise in the "world beyond the West." Topics will vary and will be announced annually. Offered fall and spring. Prerequisite: Liberal Learning 220 or permission of the Director of Liberal Learning. *3 Hrs.*

LLRN 410 Liberal Learning

A seminar devoted to serious ethical reflection about contemporary issues, problems of the future, and the continuing process of liberal learning. Topics will vary and will be announced annually. Offered each fall and spring. Prerequisite: Liberal Learning 310 or permission of the Director of Liberal Learning. *3 Hrs.*

Mathematics

It is the nature of mathematics to examine concepts from nearly all areas of thought using a uniquely abstract and deductive approach. Although mathematical investigation often involves the use of expressions which represent numbers, many of the discoveries of the discipline extend beyond the quantitative.

MATHEMATICS COMPETENCY Upon entry into the College of Arts and Sciences, all students will be required to take a mathematics placement test. On the basis of the placement test results and their previous academic record, students will be placed in one of the following three categories:

Category A: Not required to take mathematics courses as a general college requirement; if student does take a mathematics course, placement is MATH 121 or above.

Category B: Required to successfully complete either MATH 105 or MATH 111.

Category C: Required to successfully complete either MATH 105 or MATH 111. Completion of MATH 099 is suggested before enrolling in MATH 105 or MATH 111.

CAREERS The Department of Mathematics offers courses which reflect the general nature of mathematics. The student majoring in mathematics can choose a program which provides preparation for teaching at the secondary school level, continuing the study of mathematics in graduate school, or pursuing the many opportunities in interdisciplinary areas such as sociology, psychology, and biology. In addition, a rigorous training in mathematics or applied mathematics is excellent intellectual training for a wide variety of careers.

TEACHER CERTIFICATION Students majoring in mathematics may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Catalog* for specific requirements.

BACHELOR OF ARTS Requirements for the mathematics major: Mathematics 121, 122, 209, 221, 303, 401, 405, 415, 498; one course from Mathematics 402, 406, 417; and nine additional hours taken from courses numbered 200 or above. Physics 101 and 102 and Computer Science 131 are strongly recommended.

Requirements for the mathematics minor: A minor in mathematics consists of Mathematics 121, 122, 209, 221; and nine additional hours taken from courses numbered 200 or above. (Six hours must be from courses numbered 300 or above.)

Requirements for the mathematics major with a concentration in computer science: Mathematics 121, 122, 209, 221, 303, 401, 405; one course from Mathematics 402, 406, 409; Computer Science 131, 132, 231, 325, 355, 370; and three additional hours taken from courses at the 400 level. Physics 101 and 102 are strongly recommended.

MATH 099 Basic Mathematics

This is a developmental mathematics course including topics generally found in high school algebra II. Credit for this course may not be used toward graduation. *3 Hrs.*

MATH 105 Finite Mathematics

Systems of equations, matrices, coordinate systems and graphs and an introduction to linear programming, stochastic matrices, the mathematics of finance, difference equations and mathematical models. All topics are applied to illustrate the uses of finite mathematics in other disciplines. Note: This course satisfies any Mathematics 103 requirement listed in an earlier catalog. Credit will not be given for both Mathematics 103 and Mathematics 105. Prerequisite: Mathematics

099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 111 Precalculus

Topics will include functions and their graphs, exponential and logarithmic functions, trigonometric functions, trigonometric equations, the theory of polynomials, systems of equations, sequences, and analytic geometry. Prerequisite: Mathematics 099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 121 Calculus I

An integrated treatment of analytic geometry and limits, continuity of functions, differentiation of algebraic and trigonometric functions, applications of derivatives to extreme values and curve sketching, the fundamental theorems of integral calculus, and an introduction to integration. Prerequisite: Mathematics 111 or consent of the mathematics department. *3 Hrs.*

MATH 122 Calculus II

The calculus of transcendental functions, indeterminate forms and l'Hopital's rule, applications and techniques of integration, improper integrals, and infinite series, including Taylor and Maclaurin series. Prerequisite: Mathematics 121. *3 Hrs.*

MATH 203 Mathematical Modelling

A study of mathematical modelling including model construction, analysis, and research. Problems will be taken from the natural sciences and social sciences. The course will cover the mathematical concepts of proportionality, systems of equations, curve fitting and approximation methods, and elementary differential equations. Prerequisite: Mathematics 122. *3 Hrs.*

MATH 206 Statistical Methods

An introduction to data analysis and statistical concepts. Interpretation and calculations for description of single variables and simple regression, basic probability, random variables, confidence intervals, and tests of hypotheses. Computer software is introduced. Prerequisite: One course from Mathematics 103, 105, or above. *3 Hrs.*

MATH 209 Discrete Mathematics

A rigorous treatment of relations, functions, set theory, Boolean algebra, logic and methods of proof, the binomial theorem, combinatorics, elements of number theory, and recursion. Pre- or co-requisite: Mathematics 122. *3 Hrs.*

MATH 221 Calculus III

Conic sections and polar coordinates, vectors and analytic geometry in space, vector-valued functions, multi-variable functions and their derivatives, multiple integrals, and the theorems of Green and Stokes. Prerequisite: Mathematics 122. *5 Hrs.*

MATH 303 Linear Algebra

Coordinate geometry, vectors and three-dimensional geometry, matrices and determinants, linear transformations. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 304 Geometry

Modern approach to the study of Euclidean and non-Euclidean geometries, including incidence and affine geometries; designed especially for students preparing to teach. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 307 Introduction to Topology

An examination of continuity, connectedness and compactness. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 308 Applied Linear Regression Models

This course is designed to give the students a comprehensive understanding of both the underlying theory and practical applications of linear regression models. Students will be required to analyze data sets with the aid of existing computer facilities and software. Prerequisite: Mathematics 206. *3 Hrs.*

MATH 311 Differential Equations

This course is designed to introduce the student to differential equations and their applications. In addition to studying the theoretical aspects of differential equations, students will also examine numerical methods and solutions with the use of the existing computer facilities and software. Prerequisite: Mathematics 221. *3 Hrs.*

MATH 343 Number Theory

The structure of the integers and rational numbers and integer solutions of various types of equations; algorithms and theorems relating to the properties of division, the factorization of integers into primes and the rational approximation of irrational numbers. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 401 Modern Algebra I

Introduction to abstract algebra through a study of groups. Topics include basic properties of integers, permutation groups, subgroups, quotient groups, group isomorphisms, and group homomorphisms. Prerequisite: Mathematics 303. *3 Hrs.*

MATH 402 Modern Algebra II

Continuation of Modern Algebra, treating topics in the theory of rings and ideals, integral domains, division rings, and fields. Prerequisite: Mathematics 401. *3 Hrs.*

MATH 405 Introduction to Probability and Mathematical Statistics I

Introductory study of probability as a mathematical system. Topics include set theory and probability, conditional probability, random variables and distributions, expectation, and special discrete and continuous probability distributions. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 406 Introduction to Probability and Mathematical Statistics II

Continuation of Mathematics 405 treating topics in the theory of estimation, sampling distributions of estimators, hypothesis testing, categorical data and nonparametric methods, and linear statistical models. Prerequisite: Mathematics 405. *3 Hrs.*

MATH 409 Numerical Analysis

Roots of algebraic and transcendental equations, the numerical solution of differential equations, initial value problems for ordinary differential equations, and approximation theory. Prerequisite: Mathematics 311. *3 Hrs.*

MATH 415 Introduction to Real Variable Theory I

Careful axiomatic development of the real number system, limits of functions and real sequences, continuity, theory of differentiation, and integration. Prerequisite: Mathematics 209, 221. *3 Hrs.*

MATH 417 Introduction to Complex Analysis

Development of the theory of complex numbers and functions, power series, Cauchy's theorem and applications, harmonic functions, and conformal mapping. Prerequisite: Mathematics 415. *3 Hrs.*

MATH 430 Topics in Mathematics

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Prerequisite: One year of college mathematics. May vary with topic. Lecture hours vary with the hours credit and the course taught. *1, 2, 3, 4 Hrs.*

MATH 450 Independent Studies in Mathematics

Research projects in the area of the student's interest; written report will be required. May be repeated for credit. Prerequisite: Open to advanced students with permission of the instructor. *1, 2, 3 Hrs.*

MATH 498 Senior Seminar

This is required for all senior mathematics majors. Each senior will be assigned an independent study advisor from the mathematics faculty. With guidance from the advisor, each senior will independently study a mathematical topic not addressed in class and prepare a paper to be presented in the senior seminar. A written version of the paper is to be housed in the library. In addition, each student will be required to pass an oral comprehensive examination in mathematics. Prerequisite: Senior standing. *3 Hrs.*

MATH 499 Mathematics Professional Internship

Practical experience under supervision in the field of mathematics. Prerequisite: 24 semester hours in mathematics courses and permission of the department. *1, 2, 3 Hrs.*

Music

The Music Department seeks to provide superior training for students interested in pursuing a professional music career, including preparation for such positions as performer, teacher, music therapist, or research scholar. It also aims to provide opportunities for persons minoring in music or majoring in other fields to develop special musical abilities in an atmosphere that focuses upon the individual student's abilities, needs, and interests. The Music Department feels that it is most important to insure that all students have the opportunity to become more musically literate and to foster in them a lifelong appreciation for music. The department endeavors to approach all musical learning within the context of the totality of all knowledge, integrating the musical experience with outside learning and knowledge. As a part of its outreach program, it provides private instruction and music therapy sessions to individuals in the community ranging from pre-school to adults in its Non-Credit Division. The Music Department seeks to provide opportunities to hear a variety of live musical performances of superior quality by the entire community involving performances by campus ensembles and individuals as well as groups from the community and professional performing world. Through its contacts with local professional groups, arrangements can be made for students to study any standard orchestral instrument, including those not listed specifically in this section.

BACHELOR OF ARTS

Requirements for the Major: Forty credit hours in music including Music 10, 11, 20, 21, 30, 31, 40, 41, 100, 103, 104, 113, 114, 205, 213, 214, 307, 308, 320, 407; at least one year of ensemble work (choir or instrumental ensemble); and at least one credit hour of private training in applied music for four terms.

At least 18 of the 40 hours shall be in courses numbered 300 and above. In addition to the general music emphasis under this degree program, there are options for concentrations in pedagogy, music-business, and sacred music through double majors or through minors in business, religion, etc.

Requirements for the Minor: Music 100 plus three additional hours chosen from Music 307, 308, or 407; Music 103, 104, 113, 114; four credit hours in applied music and/or ensemble, six credit hours of music electives.

BACHELOR OF MUSIC Candidates are required to fulfill the same degree requirements as those required of all liberal arts candidates. An audition is required for any student wishing to be admitted to a Bachelor of Music program.

Also required are: Music 10, 11, 20, 21, 30, 31, 40, 41, 100, 103, 104, 113, 114, 205, 206, 213, 214, 307, 308, 320 (not required for music therapy majors), 407; six to eight credit hours of ensemble work (choir or instrumental ensemble). However, the ensemble credit for all majors must include experience in both large and small ensembles and the following:

1. In applied music: 38 hours of music apportioned as follows: 21 to 24 hours in a chosen instrument, Music 399, 400, Music 215, 216, 324 (voice majors only), 313, 314, or 413, 414 (piano majors only), two credit hours in conducting, four to seven additional hours in music courses, and four additional hours (in four terms) in other applied music. At the end of the sophomore year a qualifying examination will be given in the major applied area. Voice majors are required to have two years of study of a foreign language on the college level or to pass a proficiency examination equal to same.
2. In music therapy: Music 195, 209, 211, 321, 321L, 322, 322L, proficiencies in a principal applied instrument (or voice), guitar, piano, and voice, and elective hours in music to bring the total to 60 hours, including two credit hours of conducting; music therapy courses 217, 401, 402, 409, 410, 411, 412, and 499B; 20 hours of work in the behavioral/health/natural sciences areas, including Psychology 201, 304, 308, 320, and Biology 111, 111L. The entire music therapy program is detailed in a special bulletin.

MUSC 100 Introduction to Music

Study of the basic materials of music, survey of the important composers, and examination of selected masterpieces with reference to cultural background; technical knowledge of music not necessary for enrollment. *3 Hrs.*

MUSC 103 Beginning Theory and Composition I

Fundamentals of notation, tonality, scales, and modes, interval, and triadic structure. Elementary characteristics of melodic form. Four-part writing in a homophonic style using triadic structures. Analysis of chorale style involving triads, seventh chords, modulation, nonharmonic tones. *3 Hrs.*

MUSC 104 Beginning Theory and Composition II

Part writing in a homophonic style using triadic structures, seventh chords, nonharmonic tones, modulation, secondary chords, and other chromatic harmonies. Prerequisite: Music 103. *3 Hrs.*

MUSC 113, 114 Elementary Sight-Singing and Ear-Training

Study and application of techniques of music reading and identification of sound. Grading is Pass/No Record. Course is completed at any time during the term when proficiency has been achieved. Prerequisite to Music 114: Music 113. *1 Hr., 1 Hr.*

MUSC 131, 132 Freshman Music Therapy Practicum I, II

Students who are freshmen in the music therapy program will work in the on-campus Music Therapy Clinic, observing, planning, conducting, and evaluating music therapy sessions for children with various disabilities. Grading is Pass/Fail for all students enrolled. *1 Hr., 1 Hr.*

MUSC 205 Intermediate Theory and Composition I

Continuation of chromatic harmonies. Introduction to and analysis of small forms. A study of basic homophonic forms. Introduction to compositional techniques of the 20th century and possibilities of melodic, harmonic, and tonal expansion. Analysis and written exercises. Prerequisite: Music 104. *3 Hrs.*

MUSC 206 Intermediate Theory and Composition II

Introduction to 16th and 18th century counterpoint. Two-and three-voiced writing in contrapuntal and harmonic styles. Analysis and written exercises. Prerequisite: Music 104. *3 Hrs.*

MUSC 207 Music in America

A survey of music and musical practices in the United States from colonial times to the present, with particular emphasis on those inherent qualities which have permeated America's serious and popular music over the past three centuries. No musical background necessary. *3 Hrs.*

MUSC 208 Piano Technology

An introductory study of piano technology with special emphasis on the practical application of tuning, elementary repair, and maintenance. Admission of non-music majors by permission of the instructor. *3 Hrs.*

MUSC 209 Recreational Music

Materials, methods, and repertoire used in music therapy for leisure-time activities. Particular emphasis will be placed on appropriate song material for individuals of varying ages and music preferences. Completion of guitar is recommended. *2 Hrs.*

MUSC 211 Music Leadership

Experience is gained in planning, implementing, facilitating, and evaluating appropriate music therapy experiences for special populations. Emphasis is placed on arranging and conducting small vocal and non-symphonic instrumental ensembles. Prerequisite: Music 217. *3 Hrs.*

MUSC 213, 214 Intermediate Sight-Singing and Ear-Training

Study and application of techniques of music reading and identification of sound. Grading is Pass/No Record for all students enrolled. Course is completed at any time during the term when proficiency has been achieved. Prerequisite to Music 213: Music 114. Prerequisite to Music 214: Music 213. *1 Hr., 1 Hr.*

MUSC 215 Diction for Singers (English, Latin, and Italian)

Two 50-minute periods weekly in which students are instructed in use of the International Phonetic Alphabet as well as the correct pronunciation of the English, Latin, and Italian languages in relation to singing. Prerequisite: Previous vocal training or consent of the instructor. *1 Hr.*

MUSC 216 Diction for Singers (French and German)

Two 50-minute periods weekly in which students are instructed in the correct pronunciation of the French and German languages in relation to singing. Prerequisite: Music 215. *1 Hr.*

MUSC 217 Introduction to Music Therapy

An introductory course surveying the use of music therapy with individuals having various handicapping conditions including mental retardation, emotional disturbance, orthopedic handicaps, medical disorders, speech, hearing, and visual impairments. Open to all students. *3 Hrs.*

MUSC 218 Music in World Cultures

A study and exploration of non-Western music and musical practices. An acquaintance with some of the non-notated musical repertoire from Asia and Africa as well as some oral traditions from Europe. Emphasis will be placed on exploring some of the cross-cultural influences of music from ethnic minorities in the United States. *3 Hrs.*

MUSC 231, 232 Sophomore Music Therapy Practicum III, IV

Further working experience in the on-campus Music Therapy Clinic. Students continue to apply training and skills gained from the introductory course and experienced in music therapy study. Required of all sophomore music therapy majors. Grading is Pass/Fail for all students enrolled. *1 Hr., 1 Hr.*

MUSC 307 Music from the Ancient Greeks through the Baroque Era

Study of the broad aspect of music in Western civilization from approximately 500 B.C. through the Baroque era; emphasis on representative composers and forms. Prerequisite: Music 100. *3 Hrs.*

MUSC 308 Music in the Classical and Romantic Eras

Study of the newly perfected forms of orchestral, chamber, and keyboard music as found in the works of Haydn, Mozart, and the earlier Beethoven; and of the progression of the romantic element in music of the nineteenth century and composers involved. Prerequisite: Music 100. *3 Hrs.*

MUSC 313, 314 Elementary Piano Pedagogy and Materials

Topics in methods, piano-readiness, musicianship, theory, technique, and interpretation as they pertain to the first four years of piano study; extensive survey and evaluation of pedagogical materials. Observation of piano teachers and supervised student teaching in piano at the elementary level. Prerequisite: Music 195 or permission of the instructor. *3 Hrs., 3 Hrs.*

MUSC 315 Hymnology and Choral Literature

The study of the hymn and hymn writers. The poetic and metrical form of the hymn. The philosophy and use of the hymn in worship. An historical and stylistic survey of choral literature for use in the church. *3 Hrs.*

MUSC 316 Church Liturgies and Music

Background review of the liturgies and music of all branches of the Christian church. Background begins with Hebrews, and study continues with the Greek, Roman, Anglican, Lutheran, and Reformed faiths. *3 Hrs.*

MUSC 317 The Organ in Church Service

Instruction in church service playing, with emphasis on repertoire, hymn playing, choir accompaniment, modulation, improvisation, and discussion of electronic organs in use today. Prerequisite: Permission of the instructor. *3 Hrs.*

MUSC 319 Study of a Composer

Each term that this course is offered, one composer will be selected for an in-depth examination of the composer's life, works, style, and influence on contemporaries and followers. Prerequisite: Music 100. May be taken more than once with different composers studied. *3 Hrs.*

MUSC 320 Seminar in Applied Analysis

Independent study and analysis of compositional techniques and formal styles of compositions studied in music literature and applied music classes. Class seminar meetings. Prerequisite: Music 204. *3 Hrs.*

MUSC 321 Methods for Public School Music Teachers I

Materials, theories, and techniques involved in teaching of all areas of music in the elementary school. Introduction to materials, theories, and techniques involved in teaching instrumental music in the elementary and junior high schools; observations of local school groups. Class meets three 50-minute sessions per week. Music 321L should be taken concurrently. *2 Hrs.*

MUSC 321L Music Education String Laboratory

Two weekly sessions of 50 minutes each, in which music education students are taught techniques of playing and teaching the standard string instruments as well as fretted instruments. Should be taken concurrently with Music 321. *1 Hr.*

MUSC 322 Methods for Public School Music Teachers II

Continuation of the study of instrumental music in the public schools with emphasis on the high school; materials, theories and techniques involved in teaching choral music in junior and senior high school; observations of local school groups. Class meets three 50-minute periods per week. Music 322L to be taken concurrently. *2 Hrs.*

MUSC 322L Music Education Wind and Percussion Lab

Two weekly sessions of 50 minutes each, in which music education students are taught techniques of playing and teaching woodwind, brass, and percussion instruments. Should be taken concurrently with Music 322. *1 Hr.*

MUSC 324 Vocal Pedagogy and Literature

Materials, methods, and procedures for the teaching of private and class voice. survey, evaluation, and examination of vocal literature for elementary and advanced students. Supervised practice teaching within the class and observation of private voice teaching. Prerequisites: Permission of the instructor and one year of college-level vocal instruction. *3 Hrs.*

MUSC 331, 332 Junior Music Therapy Practicum V, VI

A continuation of working experience in the on-campus Music Therapy Clinic. Students now take a more responsible role in working with clients, and apply skills and training gained in upper level music therapy courses. Grading is Pass/Fail. *1 Hr., 1 Hr.*

MUSC 350 Independent Studies in Music

Students who have shown a particular interest in some phase of music may pursue this interest under the guidance of an appointed faculty member. Prerequisite: Permission of the department, junior or senior standing, and at least a B average in all music studies taken at Queens College. *3 Hrs.*

MUSC 399 Half-Recital

The preparation and performance of a half-recital in the major instrument. A performance examination must be passed at least 30 days before the scheduled day of performance. Grading is Pass/No Record for all students enrolled. *0 Hrs.*

MUSC 400 Senior Recital

The preparation and performance of a full public solo recital in the major instrument. A performance examination must be passed at least 30 days before the scheduled day of performance. Grading is Pass/No Record for all students enrolled. Only Bachelor of Music performance majors may enroll in this course. *1 Hr.*

MUSC 401 Psychology of Music

Music preference and ability are studied, along with physiological, cognitive, and affective responses to music. Prerequisites: Psychology 201. To be taken in junior or senior year. Open to all students. *3 Hrs.*

MUSC 402 Psychology of Music II

Study of observation systems and measurements as well as historical, philosophical, descriptive, and experimental research related to music therapy. Prerequisite: Music 401. *3 Hrs.*

MUSC 407 Music Literature of the Twentieth Century

Study of the development of music during the twentieth century beginning with the works of Debussy and Mahler; aspects, means of expression, and present-day tendencies examined and discussed through the use of contemporary masterpieces. Prerequisite: Music 100. *3 Hrs.*

MUSC 408 Composition

Creative expression in various music media based on a study of traditional and twentieth-century forms and techniques of composition; suitable compositions performed in workshop recitals. Admission by permission of the instructor. *3 Hrs.*

MUSC 409 Music in Therapy I

The use of music therapy in clinical settings with psychiatric and geriatric clients. Assessment, behavioral objectives, treatment plans, documentation, and evaluation as well as treatment modalities and therapeutic techniques are discussed for each population. Must be taken concurrently with Music 411. Open to music therapy juniors and seniors. *3 Hrs.*

MUSC 410 Music in Therapy II

Continuation of Music in Therapy I with special emphasis on new trends and uses of music therapy in childbirth, general hospital settings, substance abuse, and pain centers. Major therapeutic techniques are surveyed and discussed. The course concludes with a comprehensive review of medical, clinical, and population terminology. Must be taken concurrently with Music 412. Prerequisite: Music 409. *3 Hrs.*

MUSC 413, 414 Advanced Piano Pedagogy and Literature

For use in teaching the more advanced student; comprehensive survey of the literature of the piano, with discussion of musicianship; technique, theory, and interpretation. Students concentrating in piano pedagogy should take Music 417, 418 concurrently. *2 Hrs., 2 Hrs.*

MUSC 417, 418 Supervised Student Teaching in Piano

Observation of piano teachers and supervised student teaching in piano at the elementary level. *Prerequisites:* Music 313, 314. *1 Hr., 1 Hr.*

MUSC 420 Conducting

A course designed to develop conducting skills appropriate to the performance of instrumental and choral music. Basic skills covered include the negotiation of various patterns, preparatory beats, cues, releases, etc. *2 Hrs.*

MUSC 422 Choral Methods

A course designed to introduce the student to methods and materials involved in the performance of choral music on all levels. Topics include vocal production, choral diction, ensemble-singing, rehearsal techniques, as well as the overall management of a choral program. *2 Hrs.*

MUSC 425 Orchestration/Instrumental Arranging

A course involving the arranging of music for orchestra, band, and small instrumental ensembles, with emphasis on the skills needed by music education students in working with elementary and secondary school instrumental groups. *2 Hrs.*

MUSC 431, 432 Senior Music Therapy Practicum VII, VIII

Music therapy sessions conducted by music therapy senior in a variety of human service agencies in the community. Special emphasis is given to adults, including psychiatric and geriatric clients. Must be taken concurrently with Music 409, 410. Grading is Pass/ Fail for all students enrolled. *2 Hrs., 2 Hrs.*

MUSC 450 Laboratory in Non-Traditional Media

Directed studies in art forms utilizing unconventional media, ranging from kinetics, neon, and multi-track recordings to more sophisticated electronic forms (videotape, synthesized sound, etc.). Class sessions include discussions of critical theory, group critiques, and individual tutorial sessions. Prerequisites: upperclass standing; recommendation of departmental sponsor, or for elective credit, instructor's permission. Can be repeated once for credit. *3 Hrs.*

MUSC 457 Music Management Seminar

This course meets for two hours, one evening per week with guest lecturers on facets of the music industry (copyright laws, retail and wholesale marketing, arts management, publicity, advertising, piano tuning, instrument maintenance, radio and TV, fundamentals of sound recording, fund raising, etc.). Prerequisite: Senior standing. *2 Hrs.*

MUSC 499A Professional Music Internship: Music Business

Assignment to a music organization and/or corporation for on-the-job experience. May be repeated once. Limited to junior or senior music students who are minoring in business. Grading is Pass/Fail for all students enrolled. *1, 2, 3 Hrs.*

MUSC 499B Professional Music Internship: Music Therapy

A six-month continuous full-time affiliation with an approved clinical facility which follows all course work. The intern will perform assigned music therapy duties under the supervision of an experienced registered music therapist. Open to music therapy majors who have completed all course work. Grading is Pass/Fail for all students enrolled. *4 hours minimum.*

MUSC 499C Professional Music Internship: Sacred Music

Working in local churches to develop a consistent philosophical, theoretical, and practical approach to music in worship. Grading is Pass/Fail for all students enrolled. *1, 2, 3 Hrs.*

APPLIED MUSIC The designation for the individual instrument studies is indicated by the letter following the course number: (a) piano, (b) organ, (c) strings, (d) voice, (e) other instruments (including guitar).

Applied Music (for no credit) Students should register through the Non-Credit Division.

PRIVATE INSTRUCTION Piano, organ, strings, voice, harp, guitar, or other instrument. The general aim of private instruction is development of all phases of performance: technique, style, musicianship, interpretation, and repertoire. Assignments to instructors are made by the chairman of the department, and students usually remain with the same instructor throughout the course of study. Students registered for two or three credits per term receive 60 minutes of individual instruction and a one-hour weekly group repertoire or workshop session; students registered for one credit per term receive 30 minutes of individual instruction and a one-hour weekly group repertoire or workshop session. See fee schedule in section on Costs. Credit received in applied music on the basis of Pass/No Record grading cannot be used toward major or minor concentrations in music.

MUSC 171, 181 Private Instruction in Applied Music and Repertoire Class

One hour of daily practice required. May be repeated for credit. *1 Hr., 1 Hr.*

MUSC 172, 182 Private Instruction in Applied Music and Repertoire Class

Two hours of daily practice required. May be repeated for credit. *2 Hrs., 2 Hrs.*

MUSC 173, 183 Private Instruction in Applied Music and Repertoire Class

This course is open only to applied music (performance) majors under the Bachelor of Music degree program and requires no fewer than three hours daily practice and two approved public performances (student workshops included) in each term. Freshman performance majors are exempted from the requirement of giving a public performance during Term I. May be repeated for credit. *3 Hrs., 3 Hrs.*

MUSC 371, 381 Private Instruction in Applied Music and Repertoire Class

Admission to upper-level standing only by permission of music faculty or jury examination. One hour of practice required daily. *1 Hr., 1 Hr.*

MUSC 372, 382 Private Instruction in Applied Music and Repertoire Class

Admission to upper-level standing only by permission of music faculty or jury examination. Two hours of practice required daily. *2 Hrs., 2 Hrs.*

MUSC 373, 383 Private Instruction in Applied Music and Repertoire Class

These courses are open only to applied music performance majors under the Bachelor of Music degree program and juniors and seniors in the piano pedagogy curriculum and require no fewer than three hours daily practice. Performance majors are required to have two approved public performances (student workshops included) in each term. Specific performance requirements for piano pedagogy students enrolled here are waived. Admission to upper-level standing only by permission of the music faculty or at jury examinations. *3 Hrs., 3 Hrs.*

MUSIC CLASSES Credit hours gained in courses marked with an asterisk (*) may not be counted toward the 40-hour music concentration under the B.A. program in music.

***MUSC 155, 156 Piano Class for Music Majors**

One weekly session of 50 minutes in which classes of beginning piano students are instructed in the fundamentals of piano playing in partial preparation for entering Music 195. Primarily for music therapy, music education, and other students who are required to have a piano proficiency before graduation. Regular practice required. Music 155 is prerequisite to Music 156. *1 Hr., 1 Hr.*

***MUSC 157, 158 Piano Class for Non-Music Majors**

One weekly session of 50 minutes in which classes of students are instructed in the beginning phases of piano playing. Elective for students with no previous training; regular practice required. Music 157 is prerequisite to Music 158. *1 Hr., 1 Hr.*

***MUSC 165, 166 Guitar Class**

One weekly session of 50 minutes in which students are instructed in the fundamentals of guitar playing. This course is specifically designed for the music therapy major who must pass a proficiency exam in this instrument before graduation. Grading is Pass/No Record for all students enrolled. Music 165 is prerequisite to Music 166. *1 Hr., 1 Hr.*

***MUSC 175 Voice Class**

Two weekly sessions of 70 minutes each, in which students with little or no vocal training are instructed in the basic vocal principles, simple exercises, and songs; regular practice is required. Open to all students; required of all students concentrating in music education unless they have comparable credit in private voice instruction; recommended for music therapy majors who will not study voice as the principal applied area. Should be taken as early as possible in the program of study. Grading is Pass/No Record for all students enrolled. *1 Hr.*

MUSC 185, 186 Ensembles:

(1) **Small Ensemble** Accompanying or work, discussion, and performance in chamber groups, sonatas, trios, quartets.

(2) **Orchestra** Participation in the Queens Community String Orchestra. (The string orchestra and wind ensembles will give joint performances of full orchestral literature periodically.) There will be a music usage fee for all non-Queens persons enrolled.

(3) Vocal Coaching Work with an accompanist on various styles of vocal literature, under the supervision of a member of the voice faculty. (The vocal coaching credit may not be counted towards the ensemble requirement.)

(4) Piano Ensemble Study and performance of duet and two-piano literature with a member of the piano faculty.

(5) Wind Ensemble Study and/or performance of literature for woodwind and brass instruments.

(6) Guitar Ensemble Study and performance of ensemble music for guitar.

Grading is Pass/Fail. *Prerequisite:* Permission of the instructor. *1 Hr., 1 Hr.*

MUSC 187, 188 Queens College Chorale

The select choral ensemble on campus that performs for major college concerts and tours annually. Admission by audition only; repertoire includes secular and sacred choral works from the fifteenth through the twentieth centuries. *1 Hr., 1 Hr.*

MUSC 190, 191 Opera Workshop

The preparation and performance of scenes from opera in a recital setting. Grading is Pass/Fail for all students enrolled. *1 Hr., 1 Hr.*

MUSC 192, 193 Chorus

No audition necessary. Open to all students who like to sing. Repertoire includes both light and traditional music. *1 Hr., 1 Hr.*

MUSC 195 Functional Piano Class

Includes procedures and skills for proficiency in reading, harmonization, and transposition at sight; materials for teaching elementary and secondary school music; and experience in accompanying. Open to any student with sufficient background but designed particularly for students majoring in some aspect of public school music or piano pedagogy. The class will meet for one-hour sessions twice a week. Grading is Pass/No Record. Students may exempt this course by passing a proficiency examination. *1 Hr.*

MUSC 197, 198 Queens College Chamber Singers

A select chamber choral ensemble that performs for college and community functions. Admission by audition only; repertoire includes secular and sacred choral works designed for smaller, chamber groups from the fifteenth through the twentieth centuries. Co-requisite: Enrollment in the Queens College Chorale. *1 Hr., 1 Hr.*

CONCERT ATTENDANCE Regulations regarding events and their validations as well as the number of concerts and recitals required for adult and transfer students are contained in the annual music-student handbook.

MUSC 10, 11 Concert Attendance for Freshmen

Freshmen are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

MUSC 20, 21 Concert Attendance for Sophomores

Sophomores are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

MUSC 30, 31 Concert Attendance for Juniors

Juniors are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

MUSC 40, 41 Concert Attendance for Seniors

Seniors are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

Nursing

The James D. Vail III Bachelor of Science of Nursing program is a National League for Nursing accredited, four-year baccalaureate degree program which provides opportunities for the development of the professional nurse through courses in the humanities; social, behavioral, and natural sciences; fine arts; and nursing. The Liberal Learning core curriculum also enhances the nursing program.

Nursing content is founded on the Self-Care Deficit Theory. High priority is given to academic excellence and clinical experience. Major emphasis is placed on clinical nursing practice in combination with classroom and laboratory instruction. Selected clinical experiences begin in the second year of the program and progress throughout the program.

Students with a variety of backgrounds may be accommodated within the program. Students pursuing nursing for the first time, those with some nursing background, and those already licensed to practice nursing may all enter the Bachelor of Science in Nursing program.

The program provides an atmosphere in which the individual can develop a personal and professional value system. Graduates of this program are prepared to practice professional nursing in a variety of areas and specialties. Many students later pursue graduate studies in nursing or related fields.

ADMISSION TO THE MAJOR

Admission to Queens College does not guarantee admission to the nursing major. Students apply to the major at the end of the sophomore year or, in the case of licensed nurses, before beginning 400-level courses. Acceptance to the nursing major is competitive and selective. Acceptance is based on overall grade-point average, grade-point average in the pre-requisite courses, recommendations, and other application requirements listed below. In order to be admitted to the nursing major, a student must have a minimum grade-point average of 2.200 and receive at least a C- in the theory and lab components of prerequisite courses listed below.

All students must make formal application to the nursing program. Application to nursing can only be made after all required prerequisite courses are completed. Application requirements include:

1. Completed application
2. Recommendations
3. Completed physical exam
4. Proof of professional liability insurance
5. Proof of hospital insurance
6. Proof of current CPR certification
7. Proof of North Carolina RN licensure or evidence of having applied (for RNs only)
8. Application fee

Specific guidelines for the application process are available through the Division of Nursing.

Acceptance into the nursing major must be obtained prior to the 300-level nursing courses for traditional students and prior to the 400-level nursing courses for the RN student. The Nursing Student Qualifications Committee (NSQC) reviews applications at specified times during the year and notifies students of committee decisions in a timely manner.

DEGREE REQUIREMENTS

Candidates for the Bachelor of Science in Nursing degree are required to fulfill all College of Arts and Sciences graduation requirements as well as the requirements for the nursing major. Chemistry 101 and 101L will satisfy the requirement for a laboratory science course.

MAJOR Requirements for the nursing major are:

Prerequisite Courses:

BIOL 111 with lab	Human Anatomy
BIOL 112 with lab	Human Physiology
BIOL 120	Introduction to Medical Microbiology
CHEM 101 with lab	General Chemistry I
CHEM 102 with lab	General Chemistry II
PSYC 201	Introduction to Psychology
NURS 201	Introduction to Nursing
NURS 202	Physical Assessment

NURS 203	Introduction to Designing Nursing Systems
NURS 204	Pharmacology
NURS 205	Nutrition

Nursing courses:

NURS 302	Designing Nursing Systems with Individuals with Health Deviations
NURS 305	Pathological Processes in Health Deviations
NURS 307	Designing Nursing Systems with Behavioral Health Deviations
NURS 314	Designing Nursing Systems for Childbearing/Childrearing families
NURS 400	The Scholarly Dimension of Nursing: Research
NURS 401	Management in Nursing
NURS 402	Designing Systems in Multiperson Units in the Community
NURS 450	Directed Study in Nursing
NURS 451	Designing Nursing Systems in Complex Nursing Situations
NURS 452	Nursing Perspectives

One elective in Nursing (3 credit hours)

Additional required courses:

MATH 206	Statistical Methods
PSYC 304	Abnormal Psychology
PSYC 320	Developmental Psychology

In order to graduate with a degree in nursing, a student must earn at least a C- in all the nursing courses listed above.

INFORMATION FOR REGISTERED NURSES

The nursing major at Queens is an open curriculum designed to accommodate the changing career roles and learning needs of those who are enrolled in the program. It recognizes areas of achievement common to the graduates of various types of education programs and is responsive to the needs of students for more flexibility in entering the nursing education system. The length of the program will depend upon prior academic preparation and upon satisfactory completion of the NLN Profile exams. Prior to full acceptance, registered nurses are required to successfully complete the Profile II NLN exams in order to receive credit for NURS 203, 204, 205, 302, 307, and 314, for a total of 27 hours. Registered nurses must complete or validate NURS 202 and must complete NURS 200 in lieu of NURS 201.

NURS 200 Nursing as a Practice Discipline: The Self-Care Deficit Theory

This is a survey, non-clinical course which focuses on the practice discipline of professional nursing within the health care delivery system. The Self-Care Deficit Theory of nursing is explored, and its relationship to the nursing process and health requirements is examined. Conceptualization of the self-care model of nursing practice, self-awareness, communication, and values clarification will be stressed. Prerequisite: Registered nurse student or permission of instructor. *3 Hrs.*

NURS 201 Introduction to Nursing as a Practice Discipline

This non-clinical course introduces the student to nursing as a practice discipline through examination of the self-care model within the framework of the nursing process. Social/interpersonal and regulatory technologies are explored within the self-care deficit. Open to all Queens College students. *2 Hrs.*

NURS 202 Physical Assessment: Diagnostic Technologies for the Development of Nursing Systems

This course focuses on the development of the basic diagnostic technologies of assessment. Selected experiences with essentially healthy individuals are provided to enable students to integrate knowledge and skills of physical assessment. Prerequisite/Corequisite: Biology 111 and 111L. Open to all Queens College students. *3 Hrs.*

NURS 203 Introduction to Designing Nursing Systems

This clinical course focuses on the application of selected theoretical knowledge necessary to design nursing systems. Emphasis placed on utilizing knowledge of the self-care model, nursing process, and assessment skills, and expanding the student's knowledge of social, interpersonal, and regulatory technologies. Clinical experiences are offered in a community hospital. Prerequisites: Nursing 201, 202. Open to all Queens College students. Lab fee $25. *2 Hrs.*

NURS 204 Pharmacology

This basic course deals with classifications, dosages, physiological actions, and responses to medication therapy. Open to all Queens College students. Prerequisites/Corequisites: Nursing 201, 202; Biology 112. *2 Hrs.*

NURS 205 Nutrition

Students will study basic nutrition as it relates to health, health assessment, and health maintenance, as well as prevention of nutritional deviations and/or deficits. Principles from both the physical and the behavioral sciences are utilized in the study of the action, interaction, and balance of nutrients in food and their relationship to health and altered health states. Prerequisites/Corequisites: Chemistry 101, 101L. Open to all Queens College students. *3 Hrs.*

NURS 302 Designing Nursing Systems with Individuals with Health Deviations

This clinical course examines individual's patterns of responses to illness situations. The designing and implementing of nursing systems with adults experiencing health deviations is emphasized. Clinical practice will be provided in a variety of settings. Nursing oriented to regulation of physiological events is stressed. Prerequisites: Acceptance to the nursing major. Corequisite: Nursing 305. *8 Hrs.*

NURS 305 Pathological Processes in Health Deviations

This course examines structural and functional deviations or disorders which limit the individual's self-care agency. Disturbances in adaptive mechanisms as well as in biochemical and physiological regulatory mechanisms are explored. Prerequisites: Biology 111, 111L, 112, 112L and acceptance to the nursing major or permission of the instructor. *3 Hrs.*

NURS 307 Designing Nursing Systems with Individuals with Behavioral Health Deviations

This clinical nursing course examines selected behavioral health-deviation self-care requisites through the life cycle. Clinical practice will be provided in an acute-care facility in both in-patient and out-patient areas. Prerequisite: Nursing 302 or permission of NSQC, Psychology 304. *4 Hrs.*

NURS 314 Designing Nursing Systems for Childbearing/Childrearing Families

This clinical course focuses on the multiperson unit, specifically the childbearing-childrearing family. Meeting the therapeutic self-care demands of the childbearing-childrearing family will be a primary objective. Health deviations related to selected health problems and their impact on clients will be explored. Prerequisite: Nursing 302 or permission of NSQC. Prerequisite/Corequisite: Psychology 320. *8 Hrs.*

NURS 360 Topics in Nursing

This course is designed to investigate a current topic or specialized area of nursing. The topics will vary from term to term and will provide the student with an opportunity to study a topic that is not offered on a regular basis in the curriculum. Open to all Queens College students. *3 Hrs.*

NURS 400 The Scholarly Dimension of Nursing: Research

This course focuses on the important components of the research process and those methodologies appropriate to nursing. The student begins to critically explore selected components of nursing practice in relation to research. This course serves as the foundation for Nursing 450. Prerequisite: All requisite 300-level nursing courses. Corequisite/Prerequisite: Mathematics 206. *3 Hrs.*

NURS 401 Management in Nursing

A basic survey course of management theory with emphasis on health-care delivery systems. Specific topics include the planning, organizing, and controlling functions of management; contemporary models of organizational design; motivation and performance; and group behavior. Prerequisite: All requisite 300-level nursing courses. *3 Hrs.*

NURS 402 **Designing Systems with Multiperson Units in the Community**

This clinical course examines nursing as part of the larger health-care delivery system. Emphasis is on identification of health needs and encouragement of self-care and health promotion. Clinical practice is provided in a variety of community agencies with the main focus on the multiperson units. Prerequisite: All requisite 300-level nursing courses. *6 Hrs.*

NURS 450 **Directed Study in Nursing**

This course enhances the student's knowledge of the research process by enabling the student to implement a systematic nursing study that was designed in Nursing 400. Students summarize their study and experiences in a scholarly paper and in a formal seminar. Grading is P/F. Prerequisite: Nursing 400. *2 Hrs.*

NURS 451 **Designing Nursing Systems in Complex Nursing Situations**

This clinical course offers selected, concentrated study in the design of nursing systems for clients experiencing multiple and complex deficits in self-care. The student will refine, broaden, and enhance their nursing agency and expand the scope of professional nursing practice. The student is expected to synthesize principles and concepts from the physical, social, and behavioral sciences, and from previous nursing courses, as well as analyze new knowledge. Test fee: $25. Prerequisites: Nursing 401 and 402 or permission of NSQC. *6 Hrs.*

NURS 452 **Nursing Perspectives**

Current trends and issues in professional nursing are explored in depth. Particular attention is given to ethical, political, legal, and economic issues affecting nursing. Projections of nursing for the future are made in light of historical bases and current trends. Prerequisite: All requisite 300-level nursing courses. *2 Hrs.*

NURS 460 **Independent Study in Nursing**

Independent investigation of a selected topic in nursing is accomplished through a program of directed readings. An interpretative paper and oral examination are required; oral examination will be conducted by the course supervisor and other members of the department upon invitation. Prerequisite: Acceptance to the major. May be repeated for credit. *1, 2, 3 Hrs.*

Philosophy

The academic study of philosophy engages students in a comprehensive and critical investigation of pervasive cultural beliefs, such as freedom, truth, God, and justice. Emphasis is given to careful method, as well as the history of Western philosophy.

MAJOR The requirements for a major in philosophy are as follows: Thirty hours in philosophy, including Philosophy 206, one course in the history of philosophy (Philosophy 230, 250, 255 or 304), one course in an area of philosophy, such as Philosophy 220, Philosophy of Religion, and three hours of directed study. The department recommends that philosophy majors either seek a minor or second major or concentrate their electives in an area such as art, mathematics, the physical or social sciences, history or literature in such a way that the non-philosophy courses can be *combined with* a relevant philosophy course or directed study to form a coherent course of study.

MINOR Eighteen hours are required for the minor in philosophy. Philosophy 206, Introduction to Logic and Philosophic Method, is required. A student may take up to six hours of religion courses toward the philosophy minor.

PHIL 203 Introduction to Philosophy

Introductory study of the perennial questions of philosophy and the various methods by which philosophy has tried to answer them. *3 Hrs.*

PHIL 206 Introduction to Logic and Philosophic Method

A study of the major forms of reasoning—deductive, inductive, and explanatory—used in everyday life, science, and philosophy. Attention will be given both to symbolic and ordinary language reasoning. *4 Hrs.*

PHIL 207 Ethics

Study of the theories and writers in moral philosophy; practical questions considered in the context of major questions of good, duty, and right; consideration of problems in social ethics; and the critical analysis of contemporary moral problems. *3 Hrs.*

PHIL 220 Philosophy of Religion

An introduction to some central problems in the philosophy of religion—the nature of religious experience, religious knowledge, God, secularity and the relationship of religion and morality. The aim of the course is to understand these important issues through careful, comprehensive criticism. Note: Students may elect this course as Religion 220. *3 Hrs.*

PHIL 230 Ancient and Medieval Western Philosophy

A historical and conceptual investigation of the major texts of the Pre-Socratics, Plato, Aristotle and selected medieval thinkers, such as Augustine, Anselm, Abelard, Aquinas, and William of Ockham. *3 Hrs.*

PHIL 250 Modern Philosophy

A historical and conceptual investigation of the major texts of the great European philosophers of the seventeenth and eighteenth centuries, including Descartes, Hume, and Kant. Prerequisite:

Sophomore standing; although it would be helpful, Philosophy 230, Ancient and Medieval Philosophy, is not required. *3 Hrs.*

PHIL 255 American Philosophy

A historical and conceptual investigation of the classic American philosophers, Peirce, James, Santayana and Dewey, with attention given their precursors, such as Emerson, contemporaries, such as Royce and Mead, and successors, such as Lewis and Quine. Prerequisite: Sophomore standing. *3 Hrs.*

PHIL 304 Contemporary Western Philosophy

A historical and conceptual investigation of the major European and American philosophers of the nineteen and twentieth centuries, beginning with Hegel and Nietzsche, but emphasizing the work of Frege, Russell, Moore and Wittgenstein. Attention will also be given to Heidegger, Sartre, and Quine. Prerequisite: Philosophy 206, 250, or 255. *3 Hrs.*

PHIL 305 Medical Ethics

An investigation of the major ethical dilemmas arising with the life sciences. The course intends to assist students to identify, analyze, and decide ethical issues in such a way that they can defend their positions to themselves and to others. Some of the issues to be investigated are abortion, death and dying, patient rights, and justice in the allocation of medical resources. *3 Hrs.*

PHIL 336 Political Theory I

Political thought from classical Greece to Hobbes, examination of the content of political thought and its sources in an impact upon society during the ancient, medieval and Renaissance periods. Note: Students may elect this course as Political Science 336. *3 Hrs.*

PHIL 337 Political Theory II

Political thought from Hobbes to the twentieth century; examination of the content of political thought and its sources in and impact upon society from the seventeenth century to the twentieth century. Note: Students may elect this course as Political Science 337. *3 Hrs.*

PHIL 349 Topics in Philosophy

Concentrated study of a particular person, movement or issue in philosophy. Topics as proposed will be chosen by the department and approved by the Educational Programs and Curriculum Committee to supplement regular offerings and to cover specialized problems. Course may be repeated for credit with different subtitles. *1-3 Hrs.*

PHIL 350 Directed Studies in Philosophy

Faculty-supervised study of an approved topic in philosophy through selected readings. To be evaluated through a weekly meeting with the instructor and a comprehensive paper. May be repeated once for credit. *1-3 Hrs.*

Physical Education

The physical education program provides an instructional base in selected lifetime leisure and sports skills. Students are encouraged to accept the responsibility for their own well-being by developing the knowledge, skills, and attitudes necessary in achieving their optimum level of physical fitness and satisfaction.

The Physical Education Requirement may be met by any two courses; all physical education courses are graded on a Pass/No Record basis. A student may enroll in any number of physical education courses, but only two hours of physical education credit may be counted toward the 122 hours required for a bachelor's degree. The required two hours should be completed by the end of the sophomore year. Participation in varsity sports does not satisfy the physical education graduation requirement. Non-swimmers are encouraged to take PE 151, Beginning Swimming, in the fall semester of their freshman year. All students are encouraged to take additional courses beyond those which are required.

PHED 121 Beginning Tennis

Fundamental skills of tennis (forehand, backhand, serve); emphasis on development of strokes; course for the beginner. *1 Hr.*

PHED 123 Advanced Beginning Tennis

Emphasis on strengthening fundamental skills. Designed for the student who has had some experience with tennis or a course in beginning tennis; singles and doubles competition in the class. *1 Hr.*

PHED 125 Intermediate Tennis

Emphasis on improving fundamental skills, advanced strokes, and techniques; singles and doubles competition within the class. May be repeated for credit. *1 Hr.*

PHED 131 Beginning Modern Dance

An introduction to the basic principles of rhythm, design, and dynamics in modern dance; concentration on movement techniques, improvisation, and dance composition. *1 Hr.*

PHED 132 Intermediate Modern Dance

Continuation of Physical Education 131, emphasizing comprehensive study of movement techniques as applied to dance composition and improvisation. *1 Hr.*

PHED 134 Dance Production

Experience in the production of a dance program. Prerequisite: Physical Education 131 or previous dance experience. May be repeated for credit. *1 Hr.*

PHED 135 Folk and Square Dance

Recreational activity class in folk dance and both traditional and modern square dance. Experience in instruction for students who plan to work in elementary education, recreation, and related fields. *1 Hr.*

PHED 136 Ballet I

Introduction to classical ballet. May be repeated for credit. *1 Hr.*

PHED 137 Body Dynamics

Principles of physical conditioning and its application to everyday living; activities for improving fitness. May be repeated for credit. *1 Hr.*

PHED 138 Heart Health and CPR

A course designed to combine the study of heart health, CPR certification, and aerobic exercise. *1 Hr.*

PHED 141 Weight Training and Conditioning

Principles of weight training and conditioning and their application to everyday living. Includes basic weight training skills and activities for improving fitness. Body building and power lifting will be introduced. May be repeated for credit. *1 Hr.*

PHED 151 Beginning and Advanced Beginning Swimming

For the non-swimmer and beginner; basic safety skills, front crawl, and elementary backstroke; opportunity to earn Red Cross certificates. *1 Hr.*

PHED 153 Intermediate Swimming

Elementary back, front crawl, breast, side, and back crawl strokes, safety skills; opportunity for Red Cross certificate. *1 Hr.*

PHED 155 Synchronized Swimming

Strokes, stunts, and skills; beginning through advanced level; creative experience in solo, duet, and team routines. Prerequisite: Intermediate or higher swimming level. May be repeated for credit. *1 Hr.*

PHED 158 Water Safety Instructor's Course

Increased knowledge, judgment and teaching skill for training others to swim; Red Cross certificate. Note: Only 1 Hr. counts toward the P.E. and graduation requirement. Fee: approximately $25. *2 Hrs.*

PHED 159 Lifeguard Training: Basic Water Safety and Emergency Water Safety

In-depth study and practice of the skills and knowledge required for an individual to properly assume the responsibilities of a lifeguard at a swimming pool or a protected open-water beach. Emphasis is placed on the concern for the safety of others. Red Cross certification. Also includes Red Cross Basic First Aid and CPR certification. Prerequisite: 1. Swim 500 yds. continuously using each: crawl, breaststroke, elementary backstroke, and sidestroke. 2. Surface dive to a minimum depth of 5 feet and swim underwater for a minimum of 15 yards. 3. Tread water for one minute. Fee: approximately $25. *1 Hr.*

PHED 161 Beginning Golf

Fundamentals of golf for those who have little or no golf skill;

grip, stance, club selection, etiquette, and rules. Approximately one-fifth of class time is dedicated to actual play. Fee: approximately $25. *1 Hr.*

PHED 169 Topics in Physical Education

This course provides an opportunity for study of various topics in the field of physical education which are not offered on a regular basis. The topics for the course will vary from term to term. May be repeated with different subtitles. No more than one hour may count towards the Physical Education requirement. *1, 2 Hrs.*

PHED 171 Riding

Instruction offered at three levels: beginner, intermediate, and advanced; qualified students may hunt by arrangement. Fee: $165. May be repeated for credit. *1 Hr.*

PHED 180 Water Aerobics

Comprehensive physical fitness program performed in the water. Non-impact aerobics, strength, flexibility, cardio-respiratory endurance, muscular endurance achieved by using water as the resistance. Swimming skills not necessary since the participant can maintain a position in the shallow end of the pool without submerging head. Ideal course for the physically impaired as well as the exercise enthusiast, since the work can be individualized. *1 Hr.*

PHED 181 Indoor Soccer/ Basketball

Principles, skills, tactics, and strategy for both soccer and basketball. Includes lecture, skill practice, play, and skills-testing for both sports. One-half semester devoted to each. May not be repeated for credit. *1 Hr.*

Physics

NATURAL SCIENCE REQUIREMENT The Natural Science requirement is met with Physics 101.

PHYS 101, 102 General Physics

Beginning course in physics covering the fundamental principles of mechanics, heat, sound, light, electricity and magnetism, and atomic physics. Prerequisites: Elementary algebra and plane geometry; Physics 101 is prerequisite to Physics 102. Three hours lecture and three hours laboratory each week. *4 Hrs., 4 Hrs.*

PHYS 105 Radiologic Physics

Selected topics in mechanics, atomic structure, electricity and magnetism, ionizing radiation, production and properties of X-rays, radiation dosimetry and protection; designed to provide students in a radiologic-technology program with a basic understanding of the physical principles involved in the generation and use of X-rays. Students may not receive credit for both Physics 102 and Physics 105. *4 Hrs.*

Political Science

The Queens College approach to the study of political science combines the normative and ethical character of the ancient Greeks with the empirical and analytical character of contemporary post-behavioralism.

CAREERS A major in political science provides a basis for graduate study in all the subfields of the discipline and a foundation for careers in government, politics, law, journalism, teaching, or any of the many areas in which a liberal arts background is desirable.

MAJOR Political Science 100, 201, 250, 270, 301 or 306, 400, and fifteen additional hours in political science at the 300 level or above, of which at least six hours must be in a field other than American Politics. In addition, the student is required to take at least six credit hours at the 300 or 400 level in economics, history, psychology, philosophy, or sociology. Economics 203 and Mathematics 206 are required for a major in political science and should be completed by the end of the sophomore year. Sociology 315 is recommended. The student should consider a focus in American government, comparative politics, international relations, or political theory before deciding which electives to take.

MINOR Political Science 100 and 201 plus 12 additional credit hours in political science, of which six hours must be on the 300 level and selected from the core courses in the major.

PREREQUISITE Political Science 100 is a prerequisite to all other political science courses except Political Science 210.

POLS 100 Introduction to Political Science

An introduction to basic concepts describing political activity, to the language and different approaches used in political science, and to the subfields of the discipline with emphases upon comparative politics, international politics, empirical and normative political theory, public administration, and the law and judicial behavior. *3 Hrs.*

POLS 201 American Politics

Political institutions and behavior; introduction to the presidency, Congress, Supreme Court; political parties and pressure groups as actors in politics; conservatism and liberalism as motivating philosophies. *3 Hrs.*

POLS 202 Contemporary Political Issues

Study of major issues and problem areas in both American and international politics. Emphasis will be upon substantive background of the issue; introduction to the range of political concepts, actors and institutions related to these issues; and the variety of policy choices presented by these issues. *3 Hrs.*

POLS 206 Political Ideology

Development and function of ideology in a political system; examination of contemporary fascist, socialist, communist and democratic ideologies; new ideologies of emerging nations. *3 Hrs.*

POLS 210 Introduction to the United Nations

Introduction to the structure and functions of the United Nations. Required for participation in Model United Nations simulations, open to other interested students. Grading is P/NR. No prerequisite. *1 Hr.*

POLS 250 Comparative Political Systems

An introduction to comparative methods of political research. Attention will be given to a comparison of formal institutions and to basic social, economic, and cultural factors. Primary emphasis will concern the influence of these factors on political evolution and policy implementation with democratic and totalitarian governments. *3 Hrs.*

POLS 270 Introduction to International Relations

Introduction to the behavior of nation-states in the contemporary world system; examination of concepts and problems regarding security, international organizations, third world nations and international political economy. Economics 203 recommended. *3 Hrs.*

POLS 275 Introduction to Asian Political Systems

Introduction to contemporary politics and societies of Japan, China and the Koreas. Emphasis on the relationship of economic development, political systems and social change. *3 Hrs.*

POLS 299 Exploratory Internship

Exploration of various career options through on-site experience in job settings. May be taken for up to six credit hours. Three hours credit applicable to the political science major. *1, 2, 3 Hrs.*

POLS 300 Current Topics in Political Science

The study of selected approaches to the study of political activity or specialized topics of contemporary political science research. Possible topics include political psychology, political economics, and political fiction. Topics to be announced the term prior to offering. *3 Hrs.*

POLS 301 European Political Systems

Comparative analysis of political culture, institutions, and behavior in selected modern European nations; emphasis on England, France, and West Germany. *3 Hrs.*

POLS 303 Communist Political Systems

Analysis of communist theory and its practice in the political systems of the Soviet Union, Eastern Europe, and China. Emphasis will be upon relating institutional characteristics of these systems with theoretical perceptions of life within them. *3 Hrs.*

POLS 306 Developing Political Systems

Introduction to the processes of political development and change, and to problems confronting developmental efforts of an emerging nation; emphasis on selected African, Asian, and Latin American nations. *3 Hrs.*

POLS 308 Political Parties and Voting Behavior

Function of parties in a political system; comparative party systems; mass and cadre parties; proposals for more "responsible" parties; political attitudes and voting behavior. *3 Hrs.*

POLS 310 State and Urban Politics

Political institutions, processes, and problems in the American states and municipalities. *3 Hrs.*

POLS 311 Public Administration

A political analysis of the nature of government bureaucracies and how they operate. Special attention will be paid to the role of these bureaucracies in the American society, the decision-making processes in these bureaucracies, and the way in which these bureaucracies implement their own decisions as well as those made by higher authorities such as legislature or chief executives. *3 Hrs.*

POLS 312 Introduction to Constitutional Law

An examination of leading decisions by the United States Supreme Court in major arenas of constitutional interpretation, including judicial review, the powers of the executive and legislative branches, and the Bill of Rights. *3 Hrs.*

POLS 314 The Judicial Process

Examination of the role and functions of courts in the American political process, legal argument, judicial decision-making, and the relationship of the judicial branch to the legislative and executive branches of government. *3 Hrs.*

POLS 316 The Congress and the Legislative Process

Examination of the structure and functions of the United States Congress, the process of lawmaking, and relationship of the legislative to the judicial and executive branches. *3 Hrs.*

POLS 317 The Presidency and the Executive Branch

Examination of the role and function of the President, and the structure of the executive branch of government. *3 Hrs.*

POLS 326 Contemporary American Foreign Policy

Analysis of the role of the United States in contemporary world politics; emphasis upon the nature of the foreign policy-making process and the rationale, content, and impact of contemporary American international action and policies. Political Science 270 recommended. *3 Hrs.*

POLS 336 Political Theory I

Examination of the content of the political thought of selected Greek, Roman, and Christian thinkers and its sources in and impact upon premodern society. Note: Students may elect this course as Philosophy 336. *3 Hrs.*

POLS 337 Political Theory II

Political thought from Machiavelli to the twentieth century; examination of the content of political thought and its sources in and impact upon society from the sixteenth century to the twentieth century. Note: Students may elect this course as Philosophy 337. *3 Hrs.*

POLS 350 Directed Study

Investigation of a specialized topic in political science through research, special instruction, and assigned readings. A paper and oral or written examination by staff are required. Prerequisite: Approval of department. *3 Hrs.*

POLS 400 Senior Seminar

Opportunity to synthesize knowledge of the field through investigation of a major question in a seminar setting. Readings in political science research, formulation of a question, written thesis required. Permission of instructor. *3 Hrs.*

POLS 420 World Politics

Analysis of the nature of international politics; examination of system equilibrium and change, war, international regimes, interdependence, and dependency. Prerequisite: Political Science 270. *3 Hrs.*

POLS 425 Contemporary Chinese Politics

Analysis of the domestic and foreign politics of the People's Republic of China. Emphasis on modernization and political change. Prerequisite: Political Science 250 or 270. *3 Hrs.*

POLS 450 Independent Study

Opportunity for independent investigation of a topic by means of a thesis or a program of directed readings; oral examination by department members. Open to seniors with permission of the department. *3 Hrs.*

Psychology

The department emphasizes the development of an understanding of factors important in determining behavior. Introductory courses present basic psychological principles; upper-level courses provide opportunities for further work in areas of special interest. Independent study allows the student to design and carry out original research. Internships in community settings enable the student to make practical application of psychological principles.

CAREERS A major in psychology provides a basis for graduate study in areas of psychology, education, social sciences, social work, and law as well as a foundation for careers in personnel, social work, mental health, and similar areas.

MAJOR Requirements: Psychology 201, 303, 306, 306L, 314, 400, 401, and at least 16 additional hours in the department as approved by the major advisor. Mathematics 206 and Computer Science 105 are required for a major in psychology. Biology 112 and Philosophy 203 are recommended.

MINOR Eighteen hours: Psychology 201; one course from Psychology 302, 303, 304; one course from Psychology 311, 314, 412; three courses from the entire departmental offerings. A student planning on minoring in psychology should check with a departmental member.

PREREQUISITE Psychology 201 is prerequisite to all other psychology courses.

PSYC 201 General Psychology

Survey of the field of psychology emphasizing the results of scientific investigations in the area of behavior. *3 Hrs.*

PSYC 302 Psychology of Personality

Survey of selected theories of personality and principles of personality development. *3 Hrs.*

PSYC 303 Social Psychology

Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perception, and the behavior of the individual in groups. Note: Students may elect this course as Sociology 303. *3 Hrs.*

PSYC 303L Experimental Social Psychology

Application of experimental methods to problems of social psychology such as attitude change, conformity, and leadership. Special problems of research design and techniques peculiar to the area of social psychology are considered. Prerequisite: Psychology 303. Three hours laboratory per week. *1 Hr.*

PSYC 304 Abnormal Psychology

Study of the deviant individual from both the dynamic and behavioral viewpoints. The diagnosis, etiology, treatment, and prevention of maladaptive behavior are considered. *3 Hrs.*

PSYC 305 Introduction to Counseling

An introduction to various theories of behavior change, including dynamic, behavioral, cognitive, humanistic, and existential approaches to therapy. Individual, group, and family therapies will be discussed. Prerequisite: Either Psychology 302 or 304. *3 Hrs.*

PSYC 306 Experimental Methods in Psychology

Application of experimental methods to problems in perception, learning, and social behavior. Principles of research, including experimental design, uses of apparatus, and procedural and statistical control are considered. Prerequisite: Mathematics 206. This course must be taken concurrently with Psychology 306L. *3 Hrs.*

PSYC 306L Laboratory in Experimental Psychology

Study of techniques and procedures of psychological research and conducting of experiments in learning, perception, sensory processes, motivation, and social behavior. Three hours laboratory per week. This course must be taken concurrently with Psychology 306. *1 Hr.*

PSYC 308 The Exceptional Child

Study of the psychological problems of children who deviate from normative patterns of growth and development. Prerequisite: Psychology 320 or permission of the instructor. *3 Hrs.*

PSYC 311 Psychological Tests

Introductory study of principles of test evaluation and interpretation and consideration of examples of the major types of psychological tests in reference to these principles. Prerequisite: Mathematics 206. *3 Hrs.*

PSYC 312 Sensation and Perception

An introduction to the processes by which humans receive and interpret information from the environment. Sensory coding, information processing, perceptual development, perceptual illusions, and psychophysical methods are among the topics discussed. *3 Hrs.*

PSYC 314 Psychology of Learning

Survey of empirical finding on respondent and operant conditioning, and on human verbal learning, with consideration of research methods and design; critical examination of historical and contemporary learning theory. *3 Hrs.*

PSYC 315 Laboratory in Conditioning and Learning

Conducting experiments in respondent and operant conditioning and in human verbal learning. Prerequisite/Corequisite: Psychology 314. Three hours laboratory per week. *1 Hr.*

PSYC 320 Developmental Psychology

An introduction to developmental processes from conception to old age. The emphasis in the course will be on developmental principles, theoretical views, and recent research. *3 Hrs.*

PSYC 352 Topics in Psychology

Intensive consideration of a problem in psychology. The topic for the course will vary from term to term. May be repeated with different subtitles. Prerequisite: Sophomore status or above. *3 Hrs.*

PSYC 400 Advanced General Psychology, I

A restudy and synthesis of basic psychological principles. Prerequisite: 21 hours of psychology courses and senior status. *2 Hrs.*

PSYC 401 Advanced General Psychology, II

Consideration of the major areas of psychology from classical positions through contemporary viewpoints. Prerequisite/Corequisite: Psychology 400. *3 Hrs.*

PSYC 412 Physiological Psychology

Introduction to the nervous system and internal environment and their effect upon behavior. Normal and abnormal conditions discussed with respect to sensation, learning, emotion, and motivation. *3 Hrs.*

PSYC 421 Organizational Behavior

An examination of the behavioral aspects of organizations within our society. Specific topics include the interrelationships between the individual and informal and formal groups; group formation, cohesiveness, conformity, norms, interpersonal communications; conflict; authority, power and influence; leadership, motivation and performance. Students may elect this course as Business 421. *3 Hrs.*

PSYC 449, 450 Independent Research

Opportunity for independent investigation of topics by means of reading and/or experimentation. First term is devoted to formulating the problem, determining its method of investigation, and compiling a bibliography; second term, to collecting the data and writing a report. Prerequisite: Permission of the department; also, Psychology 449 is prerequisite to Psychology 450. *1, 3 Hrs.*

PSYC 451 Seminar in Psychology

Seminar dealing with areas of psychology not covered in the regularly scheduled courses, such as personnel psychology and behavior modification. Admission by permission of instructor. *1, 2, 3 Hrs.*

PSYC 452 Directed Readings in Psychology

Independent investigation of a topic through a program of directed readings; oral examination conducted by department members. Admission by permission of instructor. May be repeated. *1, 2, 3 Hrs.*

PSYC 499 Professional Internship in Psychology

Placement in a local agency for supervised experience in programs stressing psychological services. Possible service areas include mental health, mental retardation, juvenile delinquency, drug abuse, assessment, and psychological aspects of music therapy and art therapy. Evaluation of experiences and related readings in weekly seminars. May be repeated. Only three hours credit may be applied to a major in psychology. Prerequisites: Junior or senior standing and permission of the instructor. *1, 2, 3 Hrs.*

Public History

This minor is designed to provide a foundation for careers in museums, preservation, historic sites, archival research, records management, and historic archaeology. An internship with a participating museum, archive, historical site or agency is recommended. The program is affiliated with the Institute of Applied History, making students eligible for internships with the Division of Archives and History in Raleigh.

MINOR Requirements for the minor in public history are: 21 credit hours as follows: Public History 250, 277, and one course at the 300 level; and History 202, 203, 204, and one course at the 300 level. History majors, in place of History 202, 203, 204, must substitute nine additional credit hours at the 300 level in public history.

PUHS 250 Museology

Introduction to the nature of museum operations with emphasis on collections, registrar's function, conservation, research and interpretation, exhibition, educational programs, and public relations. *3 Hrs.*

PUHS 277 Historic Site Interpretation

A seminar exploring problems in the presentation and interpretation of historic dwellings and sites. The Hezekiah Alexander House and other historic preservations, restorations, and sites in the area will be utilized as laboratories for the seminar. *3 Hrs.*

PUHS 300 Research in Local and Family History

Course designed to provide training and practice in genealogical and historical research with emphasis in working with such materials as court records, deeds, wills, and census returns. There will be written and oral presentations of findings. Prerequisite: Junior standing or permission of the instructor. Note: Students may elect this course as History 300. *3 Hrs.*

PUHS 315 Oral History

Examination of ways in which cultures were preserved in the past (folklore, folklife, handicrafts, etc.) and the study of and practice in the methodology of gathering and preserving historical information in oral form. Note: Students may elect this course as History 315. *3 Hrs.*

PUHS 335 Exhibit Design and Installation

A study of the importance of museum and historic site presentations and of the ways exhibitions are created. Design philosophy, exhibit interpretation, selection of materials, mockups, display problems, construction techniques, lighting, artifact handling and security, traveling exhibits, evaluation, and career possibilities are topics that will be examined. There will be a behind-the-scenes visit to an exhibit shop and a class project centering on the design of an exhibit or the actual installation of an exhibit. *3 Hrs.*

PUHS 336 Museum Management

A study of the purpose and scope of museum management, including museum ethics and law, organizational structure, policy and procedure, physical facilities, funding, public relations, and other topics essential for successful operation of an historical agency, museum, or cultural institution. Offered on demand. *3 Hrs.*

PUHS 337 Cultural Resources Collection Management

A study of the collecting policies and core of artifacts, documents, and photographics in historical agencies, archives, museums, and business or cultural organizations. Research and documentation, registration, storage, conservation, cataloging and nomenclature, security, and records management will be examined. Offered on demand. *3 Hrs.*

PUHS 349 Directed Readings in Public History

A concentrated program of readings in the public history field in preparation for the public history internship. An interpretive paper and oral examination are required. *1, 2, 3 Hrs.*

PUHS 378 Historic Site Archaeology

A study of the philosophy and methods of historic-site archaeology. The course will examine artifact analysis, types of sites, stratigraphy, dating techniques, site interpretation, and other archaeology skills necessary to excavate sites. *3 Hrs.*

PUHS 379 Archaeology Field School

The practical application of the methods and techniques of historic-site archaeology. The "dig" will be carried out under the direction of a professional archaeologist. Grading is Pass/No Record. *3 Hrs.*

PUHS 380 Topics in Public History

Intensive consideration of a special topic in museums, archives, and historic sites. Topics for the course will vary to supplement regular offerings. *3 Hrs.*

PUHS 450 Independent Study in Public History

An independent project making use of principles and methods employed in the museum, archival, historic-site, or preservation field. Open to majors with a B average after departmental approval of the project. *1, 2, 3 Hrs.*

PUHS 499 Professional Internship: Public History

Designed to enable students to receive training in archives, museum work, restoration sites, historical agencies, or other such career opportunities. Grading is Pass/Fail. Open only to juniors and seniors with permission of the department. May be taken twice in different areas. *1, 2, 3, 4 Hrs.*

Religion

College study in religion should increase a student's awareness of the scope and variety of the ways human beings seek meaning in life. Courses in this department can aid the student in grasping what any religious heritage means and in evaluating the religious choices which persons and societies continually make.

CAREERS For information on the Queens-Presbyterian School of Christian Education Dual Degree Program, see page 46 of the *Catalog* or the Department Chair.

MINOR Eighteen hours are required for the minor in religion. Religion 210, Introduction to World Religions, and a biblical studies course are required. A student may take up to six hours in philosophy courses toward the religion minor; Philosophy 220, Philosophy of Religion, is recommended.

RELG 205 The Old Testament

Introduction to the nature of the biblical writings and to methods of Bible study. The history, literature, and faith of the people of Israel as seen in the Old Testament. *3 Hrs.*

RELG 206 The New Testament

The history, literature, and faith of the early Christian community as seen in the New Testament. Students intending to take six hours in the Bible should enroll in Religion 205 prior to Religion 206. *3 Hrs.*

RELG 210 Introduction to World Religions

A study of the religions of the world, including prehistoric beginnings. Study will include religions indigenous to North America, Africa, India, China, Japan and the Middle East. Major emphasis will be on Judaism, Christianity, and Islam as religions of the West; and Buddhism, Hinduism, and Taoism as religions of the East. *3 Hrs.*

RELG 306 Prophetic Religion

The prophetic movement in Israel; context and message of major Hebrew prophets and selected minor figures; significance of the prophetic style within present-day society. Prerequisite: Religion 205 or permission of the instructor. *3 Hrs.*

RELG 309 The Writings of Paul

Paul's life, letters, and teachings in the context of first-century Judaism and Hellenism. Prerequisite: Religion 206 or permission of the instructor. *3 Hrs.*

RELG 317 Religion in America

Historical analysis of American leaders and movements in religion, with special attention to continuing social and theological problems. *3 Hrs.*

RELG 344 Christian Ethics

Historical and systemic examination of the issues in Christian ethical thought and of the problems of Christian norms for action, with special attention to major contemporary Christian theorists. Recommended: A course in New Testament. *3 Hrs.*

RELG 349 Topics in Religion

Concentrated study of a particular person or issue in the field of religion. Topics as proposed will be chosen by the department and approved by the Educational Programs and Curriculum Committee to supplement regular offerings and to cover specialized problems. Course may be repeated for credit with different subtitles. *1-3 Hrs.*

RELG 350 Directed Readings

Faculty-supervised reading of a department-approved bibliography; results to be reviewed at a weekly tutorial, concluding oral review by department. May be repeated for credit. *1-3 Hrs.*

Sociology

Sociology is the study of group life: its characteristics, changes, causes and consequences. It combines scientific and humanistic perspectives in the study of urban and rural life, family patterns and relationships, social change, intergroup relations, social class, environment, technology and communications, health seeking behavior, as well as social movements and community responses to disasters—natural and created.

CAREERS Sociology is a valuable liberal arts major for students planning careers not only in social research, criminology, or demography, for example, but also for those pursuing a course of study in public administration, gerontology, education, rehabilitation, social work, and market research. It provides a useful background for those planning to enter law, business, medicine, community planning, architecture, and even politics.

MAJOR REQUIREMENTS Sociology 203, 311, 315, 460, and at least 18 additional hours in the department. Mathematics 206 and Computer Science 105 are required for a major in sociology.

MINOR REQUIREMENTS The minor in sociology requires 18 hours: Sociology 203, 311, 315, and 9 additional hours from the department chosen in consultation with the department.

PREREQUISITE Sociology 203 is prerequisite to all other sociology courses.

SOCI 203 Principles of Sociology

Basic concepts and principles of sociology; relationships and meaning of culture, society, personality, and interaction; analysis of group structure and social organization. *3 Hrs.*

SOCI 213 General Anthropology

A study of the human origins, prehistory, and cultural existence from its less-complex forms to early civilization. An introduction to the concepts, methods, and data of physical and archeological anthropology. *3 Hrs.*

SOCI 299 Exploratory Internship

Exploration of various career options through on-site experience in job setting. May be taken for up to six credit hours. Three hours credit applicable to the sociology minor. *1, 2, 3 Hrs.*

SOCI 300 Specialized Areas in Sociology

The topics for each term are included in the class schedule. Offered on demand. Prerequisites: Upperclass standing or permission of the instructor. *3 Hrs.*

SOCI 302 Social Issues and Problems

A sociological consideration of critical issues in contemporary society relating to individual deviation, social disorganization, and social change; emphasis on causal factors, societal response, and proposed solutions. *3 Hrs.*

SOCI 303 Social Psychology

Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perceptions, and behavior of the individual in groups. Prerequisite: Psychology 201. Note: Students may elect this course as Psychology 303. *3 Hrs.*

SOCI 304 Marriage and Family

A study of the family as a social institution; types of family life; changing familial roles in contemporary society. Prerequisite: Upperclass standing or permission of the instructor. *3 Hrs.*

SOCI 308 Individual in Society

Study of the various social agents and processes that act on the individual throughout life to mold behavior into socially approved patterns. Focus on American society and the influence of the family, the media, the school, the peer group, and the workplace on individual behavior. Examines the processes of socialization as they are affected by sex, race, and social class. *3 Hrs.*

SOCI 311 Social Theory

Study of the historical foundations of sociological thought, with emphasis on the work of Marx, Durkheim, and Weber. Review of the major contemporary theoretical perspectives. Prerequisite: Six credit hours of sociology. *3 Hrs.*

SOCI 313 Cultural Anthropology

Comparative study of culture with emphasis on preliterate societies; past and present variation of man and culture. Factors in stability and change and relation of culture to personality. *3 Hrs.*

SOCI 315 Methods of Sociological Inquiry

The scientific method applied to social phenomena; methodological orientations in sociology; research procedures; techniques for collecting data, measuring social variables, and interpreting research findings. Prerequisite: Mathematics 206 and Computer Science 105 or 200. (Computer Science 105 or 200 may be taken concurrently.) *3 Hrs.*

SOCI 316 Women in Society

An analysis of the female in regard to sex-role stereotyping through an examination of the status of women, cross-cultural role differences, and the dynamics of socialization. *3 Hrs.*

SOCI 319 Deviant and Criminal Behavior

An examination of behaviors that violate significant social norms, how such acts come to be defined as deviant or criminal, the social functions and dysfunctions of deviance, and the means of social control used to encourage conformity and inhibit rule-breaking. *3 Hrs.*

SOCI 330 Directed Individual Study

Independent reading and investigation of the literature relevant to a specific topic or area in sociology. Prerequisites: Junior or senior standing, permission of the instructor, minimum GPA of 3.000. *1, 2, 3 Hrs.*

SOCI 340 Social Inequality

An examination of systems of social stratification; theoretical perspectives on stratification and differentiation; the interaction of class and status; consequences of class differences in modern America. *3 Hrs.*

SOCI 345 Racial and Ethnic Minorities

Analysis of majority-minority group relations and social processes. Study of origins and consequences of prejudice. Focuses on experience of ethnic and racial minority groups in American culture. *3 Hrs.*

SOCI 420 Population

An analysis of human behavioral patterns, values, and ideologies that are relevant to the number, distribution, and composition of populations, including an examination of the interrelationships of the components of population analysis: fertility, mortality, and migration. *3 Hrs.*

SOCI 425 Urban Sociology

A study of the genesis, growth, and spatial patterns of cities, including an analysis of the distribution and function of metropolises from an ecological perspective. Attention is also given to contemporary urban problems. *3 Hrs.*

SOCI 460 Senior Seminar

Consideration of major sociological issues with emphasis on current literature and research. Open to seniors or by permission of instructor. *3 Hrs.*

Spanish

MAJOR IN SPANISH Thirty credit hours of Spanish courses above the 100 level as approved by the major advisor. At least 18 credit hours are required from Spanish courses number 300 and above. At least two of the following courses are required: Spanish 301, 302, 331, or 332.

MINOR IN SPANISH At least 18 hours of courses in Spanish above the 100 level.

POLICY Unless otherwise stated, all 300- and 400-level courses are conducted in Spanish.

PREREQUISITES Prerequisites for courses 300 or above are Spanish 201 and 202 or their equivalent, or consent of the instructor.

SPAN 101, 102 Elementary Spanish I and II

Presentation of basic grammatical structure with emphasis on correct oral and written use of the language; introduction to the Hispanic civilization. *3 Hrs., 3 Hrs.*

SPAN 201 Intermediate Spanish

Review and more-advanced study of the language with emphasis placed on structure and the written expression of thoughts. Prerequisite: Spanish 101, 102, or equivalent. *3 Hrs.*

SPAN 202 Intermediate Spanish II

Review and more-advanced study of the language with emphasis placed on oral use; introduction to the civilization of Spain and Latin America. Prerequisites: Spanish 101, 102, or equivalent. *3 Hrs.*

SPAN 301, 302 Study of Hispanic Literature

Introduction to Spanish literature, its historical background, and important literary trends, developed through reading and discussion of significant works. *3 Hrs., 3 Hrs.*

SPAN 321 Spanish Conversation

Advanced training in speaking, report-making, and comprehension; continued stress on pronunciation, intonation, and on correct modes of expression. Introduction to literary concepts. *3 Hrs.*

SPAN 322 Advanced Spanish Conversation

Current socio-political problems of Latin America discussed through the works of Latin-American essayists and short-story writers. *3 Hrs.*

SPAN 331 Spanish-American Literature I

Chronological developments of Spanish-American literature; readings reflect history, culture and social and literary trends. *3 Hrs.*

SPAN 332 Spanish-American Literature II

A continuation of Spanish 331 with discussion based on short stories and essays. *3 Hrs.*

SPAN 341 Spanish Literary Classics

Major literary works from various periods of Spanish literature chosen for their value as contributions to world literature. Works to be read in original, papers and tests to be written in Spanish. Note: Students may elect this course as English 341, with all course work conducted in English. *3 Hrs.*

SPAN 349 Commercial Spanish

A study of the structure and style of Spanish business letters, routine messages, and communication. Emphasis on commercial, banking, and telecommunication terminology. *3 Hrs.*

SPAN 351 Spanish Grammar and Translation

A thorough review of Spanish grammar with a strong emphasis on translation. *3 Hrs.*

SPAN 361 Spanish Phonetics

A study of the sounds of the Spanish language, their production, transcription, and regional variances. *3 Hrs.*

SPAN 370 Topics in Spanish Studies

Course designed to address a specific topic or area of Spanish/Latin American Studies. Topic will be announced the semester preceding the offering. *3 Hrs.*

SPAN 372 Elementary Translating

Comparative analysis of translated texts; questions of restructuring texts and adding or subtracting material; style/audience relationship; simple translations from source language to English; sight translation. *3 Hrs.*

SPAN 374 Advanced Translating

Study of professional journals in the field of translation; specific problems of source/target language equivalents; expansion of working dictionaries; oral reports on work in progress; translating of substantial text(s) in field of specialization. Texts may be scientific, technical, commercial, scholarly or literary, depending on field of specialization, but in all cases will be works that have not been adequately translated before. *3 Hrs.*

SPAN 400 Directed Readings in Spanish

Directed study of a topic requiring the use of Spanish-language sources. *1, 2, 3 Hrs.*

SPAN 402 Contemporary Spanish Literature

Literature and ideas of the twentieth century from the "Generation of 1898" to the present; the influence of history on the literature; stylistic analysis of works of the author studied. *3 Hrs.*

SPAN 423 Spanish Drama of the Golden Age

Literary background of the Golden Age; reading and evaluation of masterpieces of drama. Works to be read in the original; papers and tests to be written in Spanish. Note: Students may elect this course as English 345 with all course work conducted in English. *3 Hrs.*

SPAN 430 Spanish American Prose Fictions

A study of Spanish American nineteenth- and twentieth-century prose fiction beginning with Romanticism and continuing through contemporary trends. *3 Hrs.*

SPAN 431 Spanish American Poetry

A study of Spanish American nineteenth- and twentieth-century poetry beginning with Romanticism and continuing through contemporary movements. *3 Hrs.*

SPAN 432 Spanish American Drama

A study of Spanish American twentieth-century theatre with selections from various styles. *3 Hrs.*

SPAN 442 Methods and Materials for Foreign Language Teaching

Required for students who wish to teach foreign language at the secondary and/or elementary level. Study of current trends in methodology, resources, materials and strategies applicable to foreign language instruction. *3 Hrs.*

SPAN 448 Cervantes

Study of works of Cervantes, with emphasis on *Don Quixote* and *Novelas Ejemplares*. Works to be read in the original; papers and tests to be written in Spanish. Note: Students may elect this course as English 348, with all course work conducted in English. Otherwise, course will be taught in Spanish. *3 Hrs.*

SPAN 451 Advanced Grammar and Composition

A systematic review and a more-advanced study of the grammatical structure of the language; oral and written application of the principles studied to increase fluency. *3 Hrs.*

SPAN 471 Research

A one-term research program in Spanish preparatory to the senior thesis. *1 Hr.*

SPAN 472 Senior Thesis: Spanish

Study of a topic of special interest to the student. Presentation of the study, written in Spanish, will be made and defended before a review committee. *3, 4 Hrs.*

SPAN 475 Research

A one-term research program in Latin-American Studies preparatory to the senior thesis. *1 Hr.*

SPAN 476 Senior Thesis: Latin-American

Study of a Latin-American topic of special interest to the student. Presentation of the study, written in Spanish, will be made and defended before a review committee. Prerequisite: Spanish 475. *3, 4 Hrs.*

SPAN 499 Professional Internship in Spanish

A supervised experience in a situation in which the language must be used. *1, 2, 3 Hrs.*

Study Skills

STSK 099 Study Skills

This course will help students strengthen the skills they need to be successful in college. The course will meet twice a week. The first class each week will focus on developing skills necessary for good study habits (time-management skills, reading skills, note-taking and test-taking strategies, etc.) and group discussions about problems class members are encountering in their studies. The second class will provide students with the opportunity to apply the skills they are learning in a study/peer-tutoring session. Credit for this course may not be used toward graduation. *1 Hr.*

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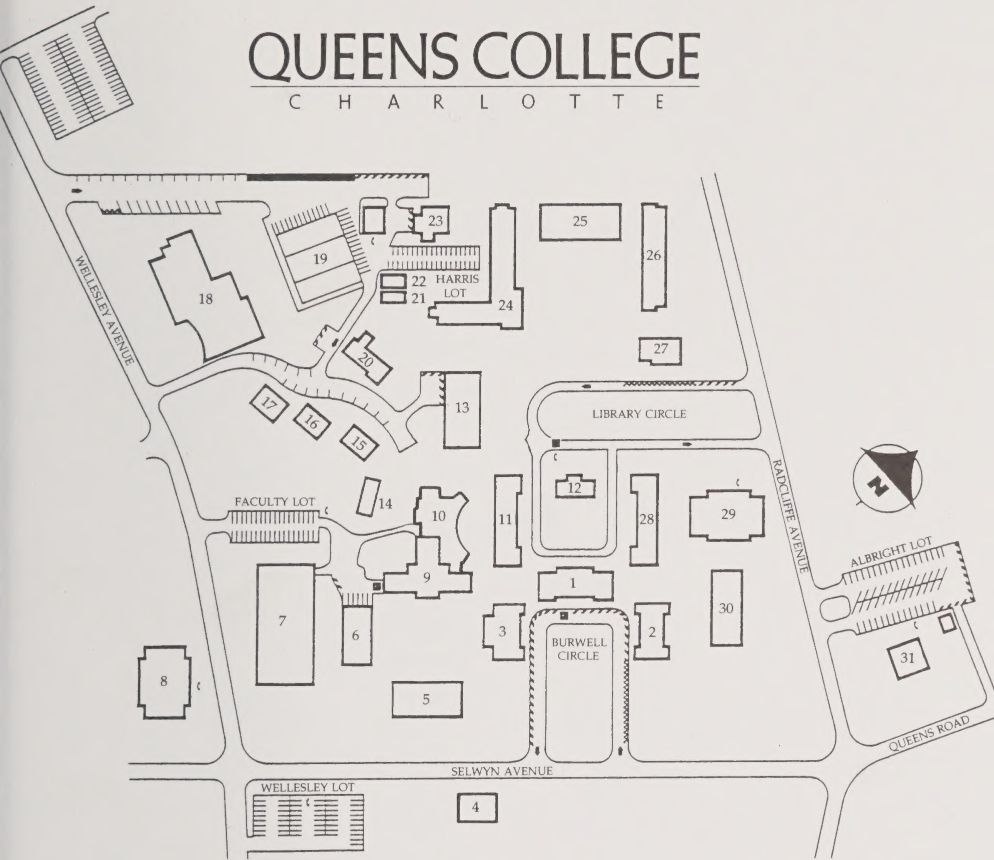

1. Burwell Hall (Administrative offices)
2. Jernigan Building (Snack Bar)
3. McEwen Building (Liberal Learning)
4. Withers House (Continuing Education)
5. Walker Science Building (Computing Services)
6. Dana Building
7. E.H. Little Fine Arts Center (Dana Auditorium)
8. Barnhardt Residence Hall
9. Morrison Dining Hall (Bookstore downstairs)
10. Trexler College Center (Under construction)
11. Watkins Art Building
12. Blair Building
13. Everett Library
14. Tillett Building
15. Faculty Club
16. Sorority Lodge
17. Fraternity Lodge
18. Ovens Athletic Center
19. Tennis Courts
20. Student Health Center
21. Greenhouse
22. Maintenance Shop
23. Heating Plant
24. Harris Residence Hall
25. Wallace Residence Hall
26. Belk Residence Hall
27. Stultz Building (Post Office)
28. Long Residence Hall
29. Albright Residence Hall
30. Belk Chapel
31. Harris House (Career Center)

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1900 SELWYN AVENUE
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